The
CHEMIST AND DRUGGIST
for RETAILER — WHOLESALER — MANUFACTURER
DECEMBER 27, 1952

Eli Lilly
and Company Limited
extend sincere Christmas &
New Year Greetings to all
their friends in retail pharmacy,
and thank them for their
co-operation during 1952.

ELI LILLY & COMPANY LIMITED
Basingstoke . Hants

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stock-recommend-display

supplies now freely available

Wright's

COAL TAR INHALER AND VAPORIZER

ONE OF WRIGHT'S PRODUCTS

for quick relief from

COLDS
INFLUENZA
BRONCHITIS
WHOOPING COUGH
CATARRH ETC.



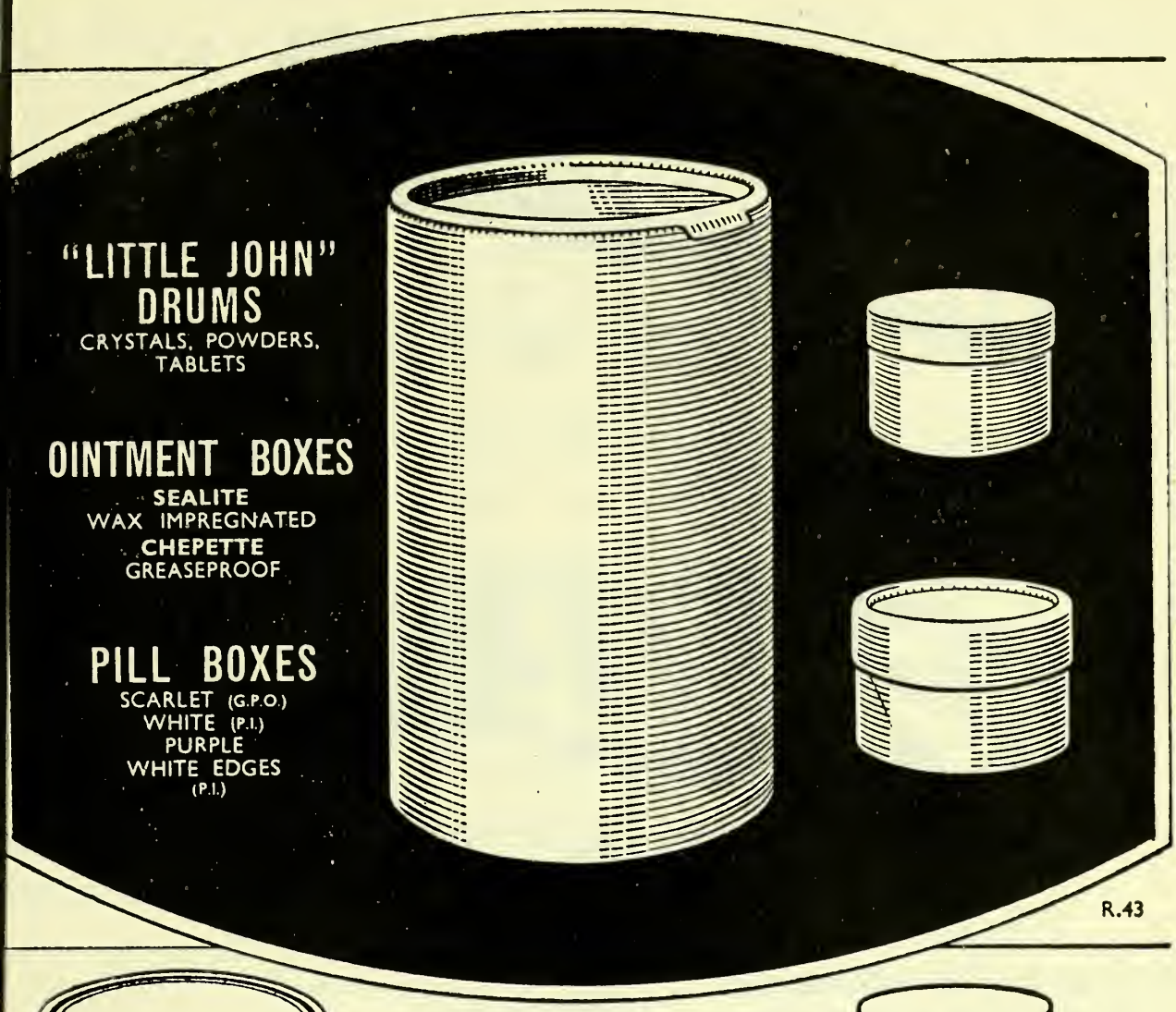
Wright's Coal Tar Inhaler and Vaporizer—eminently suitable for the relief of colds, catarrh, and like congestive conditions—should be well and prominently displayed. It offers good sales on good terms.

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Vaporizing Liquid Refills Retail 1/9 and 5/4

Spare absorbent blocks - Retail 1/- each

WRIGHT, LAYMAN & UMNEY LTD. SOUTHWARK LONDON S.E.1







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(G.P.O.)

For over a century

Stock Round Boxes for the Chemist

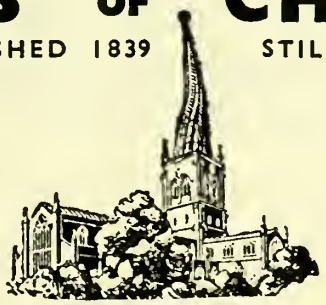
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odern methods of manufacture

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ith N.H.S. and B.S.I. Specifications



Your order should be placed through the usual source.

Immediate delivery of all standard Boxes for the Chemist.

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Grams: **Omnibox Holb. London**

A

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is today the biggest best seller!

We are the first to offer it in the **most pleasant way** at a very popular price and with a **large margin of profit** for you as

"PHYLL"

CHLOROPHYLL CHEWING GUM

(NO POINTS)

If you are a Wholesaler . . . *please fill in and send us the attached coupon*

If you are a Retailer . . . *please fill in and send us the coupon as well; we shall pass it to wholesalers distributing these lines*

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Southall Lane, Southall, Middx.

Send me—without obligation on my side—FREE samples, prices and other details of "PHYLL" the Chlorophyll Chewing Gum

I am a WHOLESALER / I am a RETAILER
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Address.....

..... C.D.2.

TABLETS

The Evans Organization can provide a special trade service for tablets with

1 Advice on formulation of tablets for any purpose.

★

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427

CHEMISTS!

Simplify your routine records...

FREE SPECIMEN RECORD ON REQUEST

A chemist's life is one of the hardest . . . so many lines to stock, so many suppliers, so many bills and such small margins of profit!

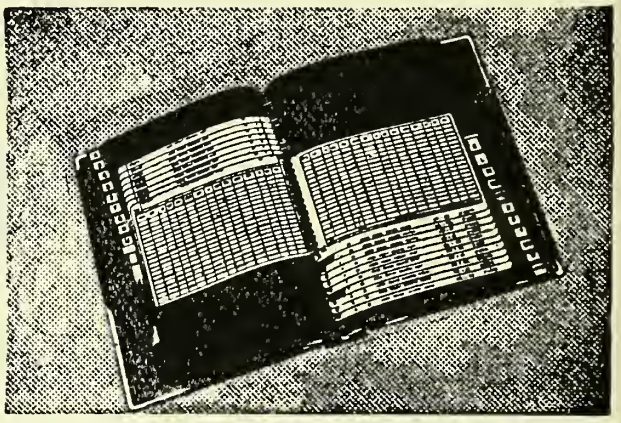
A chemist needs more book-keeping, stock-taking and clerical records than most other businesses. Yet your business won't support expensive clerical labour. So what is the answer?

First, a neat compact book that will hold hundreds of records. Second, *visible* records that can be seen without searching—and referred to or entered up in a flash.

What sort of records are needed?

They vary, of course, with every business. But all chemists want stock-cum-purchase records, complete with prices, discounts, dates, order numbers, etc.—because such a record is the backbone of the chemist's business. He needs to see how stocks are, what lines need re-ordering, what lines are selling well or hanging fire. And he ought to keep track of what money he pays out and what comes in.

The whole difficult problem has now been investigated and the right records created for chemists *by* chemists. There is a Shannoleaf record especially designed for chemists. It has a visible edge



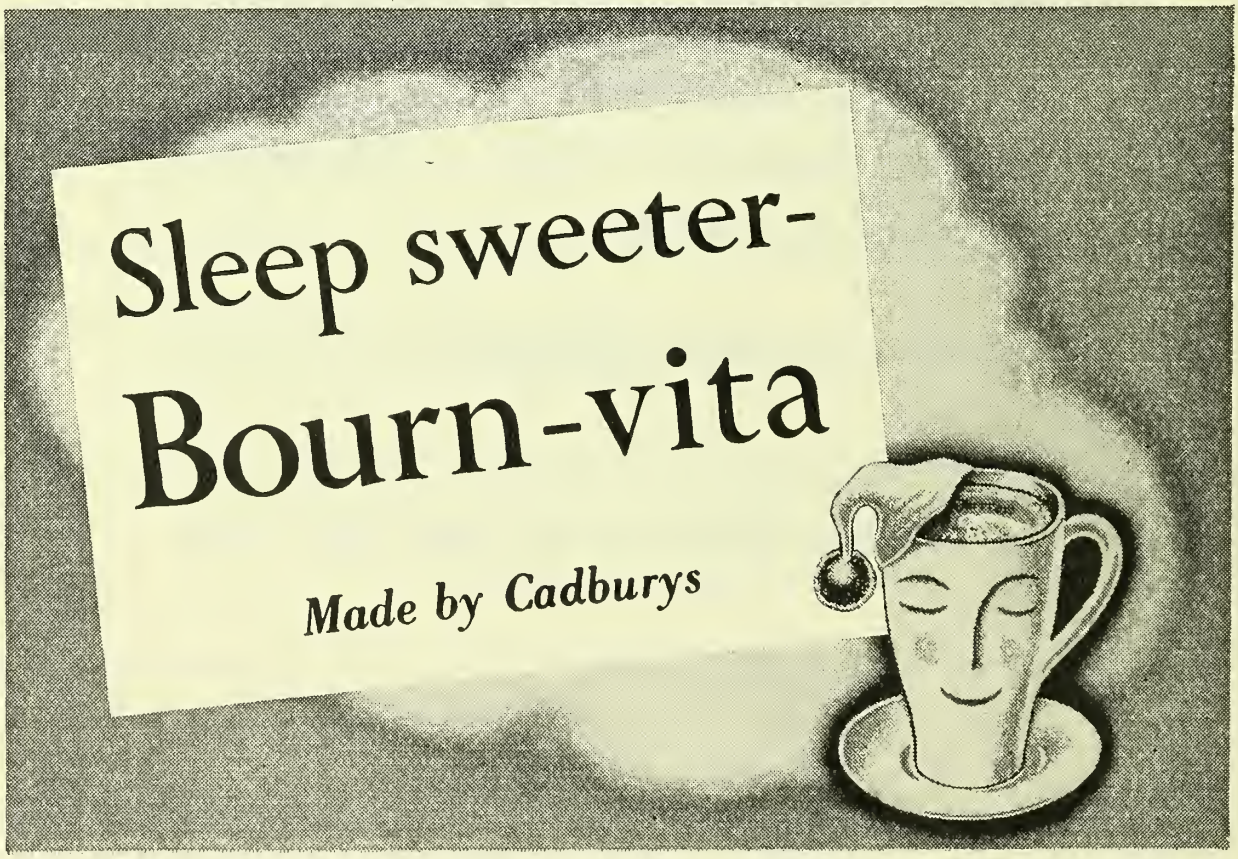
showing the commodity, price, place in shop, etc., and signalled as to whether stocks are high or low, on order, overdue for delivery, etc., and there are columns for dates of orders, order numbers, quantities, prices (wholesale and retail), discounts, cash discounts, carriage, margin of profit, when deliveries are made . . . and so on.

Every good chemist who wants to eliminate inefficiency should learn all about Shannoleaf records. And this is easy enough. Just jot " Shannoleaf for Chemists " on your letter-heading for full details.

Shannon Systems

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(*continued overleaf*)



Popular choice for vitamin supplementation

Even in a community in which diet is adequate there are times when supplementation is desirable. At such times Multivite's convenient presentation of vitamins A, B_1, C & D_2 in high concentration and its pleasant flavour make a strong appeal.

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TRADE MARK

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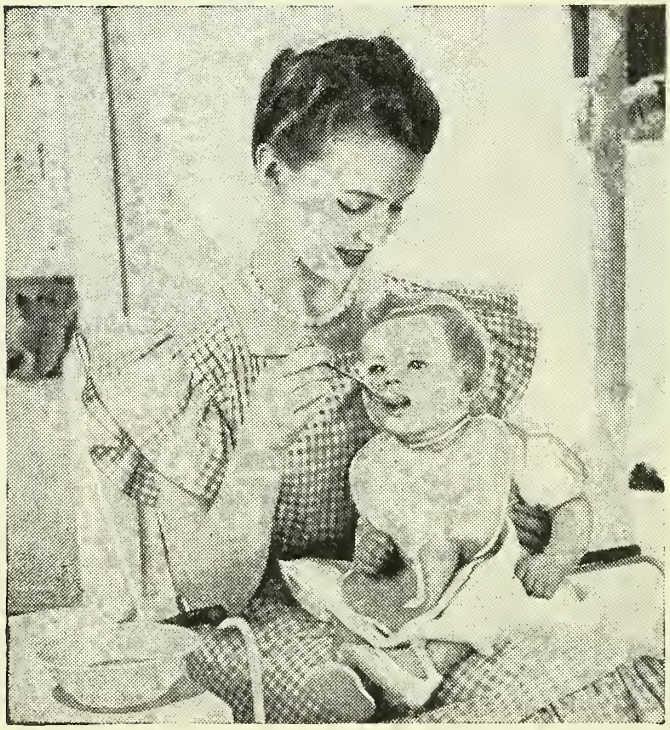
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Mary has a little beef —



and her beef comes from the CHEMIST!

This typical modern baby is featured in current Heinz Strained Foods advertising. She helps sell strained foods to your customers.

Her bonniness does credit to the modern idea of starting babies on a mixed diet at an early age. Doctors and Health Visitors advise this early start — and mothers are following their advice.

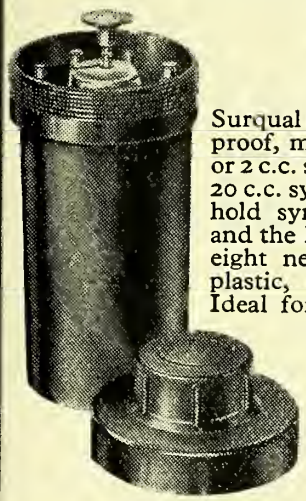
That's why so many modern mothers are becoming better and better customers for Heinz Strained Foods.

Variety is the order of the day — so stock all 17 varieties of Heinz Strained Foods and see your sales go up.

57 HEINZ
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PLASTIC SYRINGE CASES



Surqual plastic syringe cases, spirit proof, made in four sizes to hold 1 or 2 c.c. syringe and 5 c.c., 10 c.c. and 20 c.c. syringes. The pocket size will hold syringe and needle complete and the larger sizes hold syringe and eight needles. Made from durable plastic, completely spirit proof. Ideal for doctors, hospitals, diabetics, etc. the ½ c.c. size can be supplied with a base for standing on desk.

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For the relief of pain and nausea in cases of gastric and duodenal ulcers.

These tablets have been introduced in this country following the considerable success shown in treatment abroad of cases of gastritis, hyperacidity and nervous stomach complaints.

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Bismuth Subnitrate B.P.C.	31.82%	(5.40gr.)
Sodium Bicarbonate B.P.	18.18%	(3.08gr.)
Frangula B.P.C.	2.27%	(0.38gr.)
Calamus B.P.C. 1934.	2.27%	(0.38gr.)
Base	9.10%	(q.s.)

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bottles of 100: 5/9 each plus purchase tax 33⅓% Retail 10/6 each incl. tax

Dispensing pack:
bottles of 500: 24/6 each, exempt from purchase tax.
bottles of 1000: 48/- each, exempt from purchase tax

Samples will be forwarded upon request.

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Manufactured by

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a palatable liquid preparation–

containing the principal vitamins in an orange base

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VITAMIN A	*2,500 i.u.*	VITAMIN C	*10 mg.*
VITAMIN B_1	*0.5 mg.*	VITAMIN D	*375 i.u.*

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6 FL. OZ.:	*3/9 each*	*30/- doz.*	*26/3 doz.*
40 FL. OZ.:	*24/- each*	*16/- each*	*14/- each*

The 6 oz. bottle provides daily vitamin-insurance for one whole month.

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Attractive Selling Aids for "SURE SHIELD" Proprietaries

Aluminium Shelf, Window or Counter stand 6½" long, 3½" high, 2" deep, printed in three colours. Will effectively display most "Sure Shield" packs in small space. Interchangeable slides supplied.



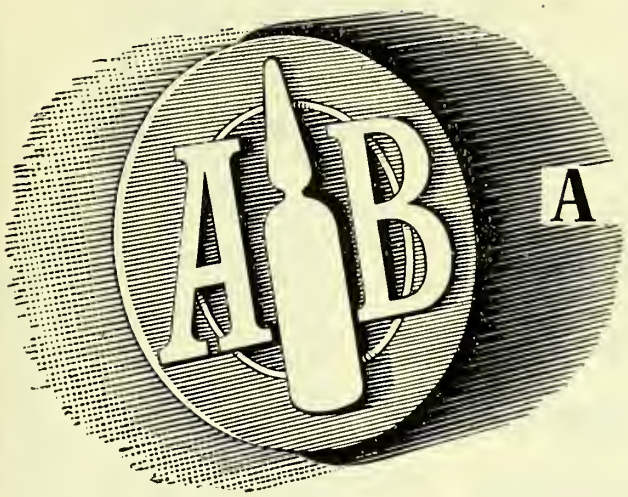


A proportion of all orders for 1/- and 1/9 "Sure Shield" Iodised Throat Lozenges are now sent out in compact patent show outers printed in three colours — simple to operate — ideal for display.

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INSULIN A.B.

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good looking

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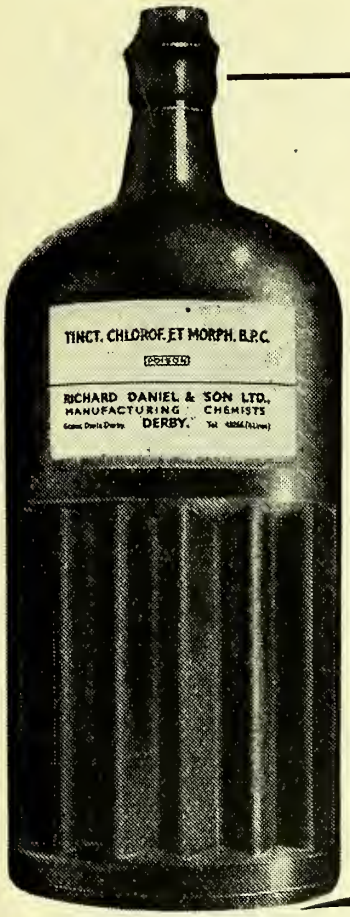
kind to delicate skins

natural grease solvent

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Made by :
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by
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from **1/6** *to* **1/9** *and from* **2/9** *to* **3/-**

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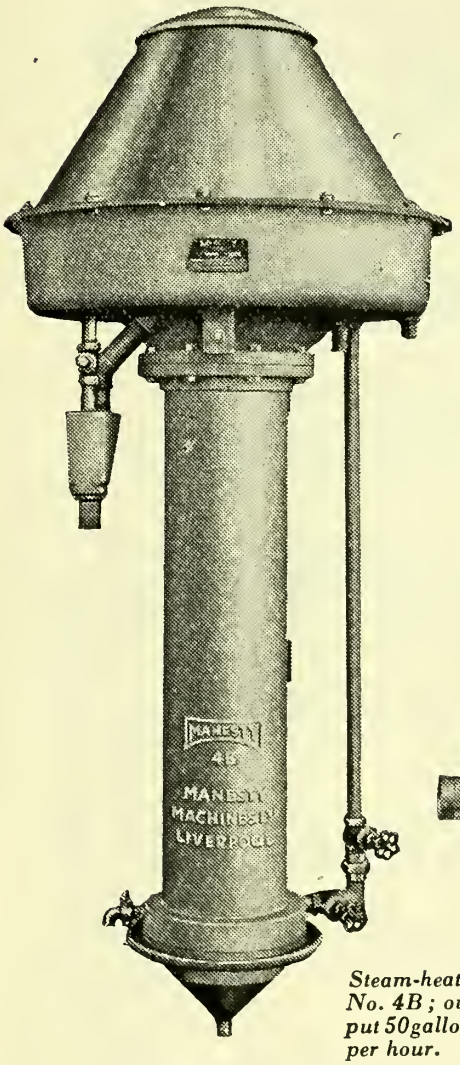
Then make your own with a

MANESTY

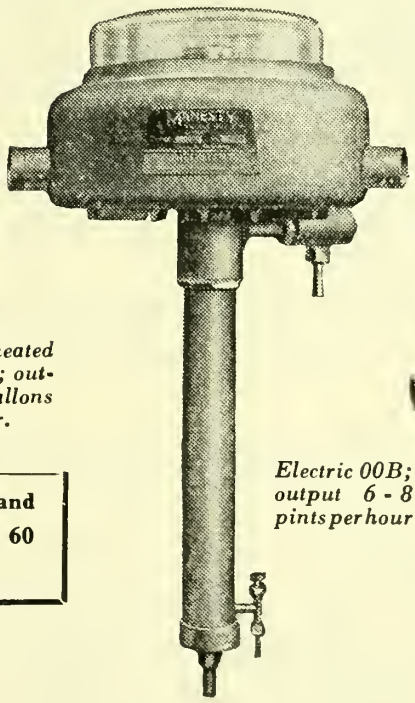
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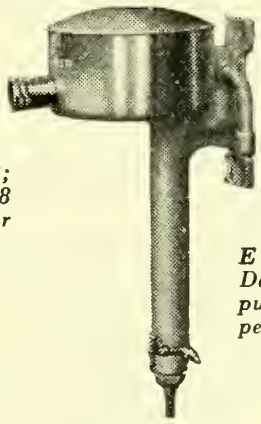
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Electric 00B; output 6 - 8 pints per hour



Electric Destil; output 2 pints per hour

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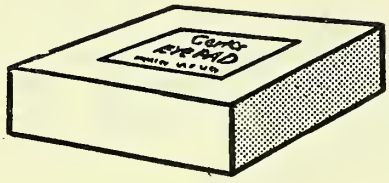
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DEPT. 5 SPEKE LIVERPOOL 19

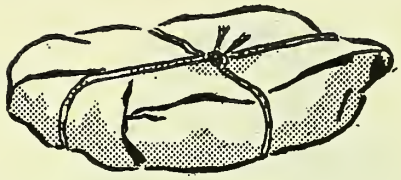
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Make sure your stocks are adequate to fulfil prescription requirements promptly.

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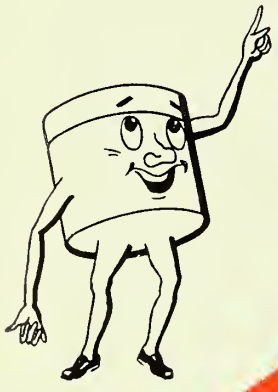
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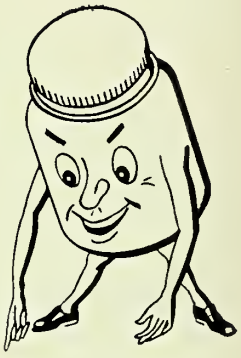
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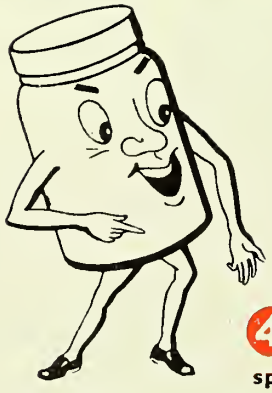




2 Buy from reputable sources—don't gamble with quality, which means security and reputation of your product.



3 Unless you are certain that your present liner or wad is the most suitable, arrange for your supplier to test and recommend. In any case a check on your own selection costs nothing.



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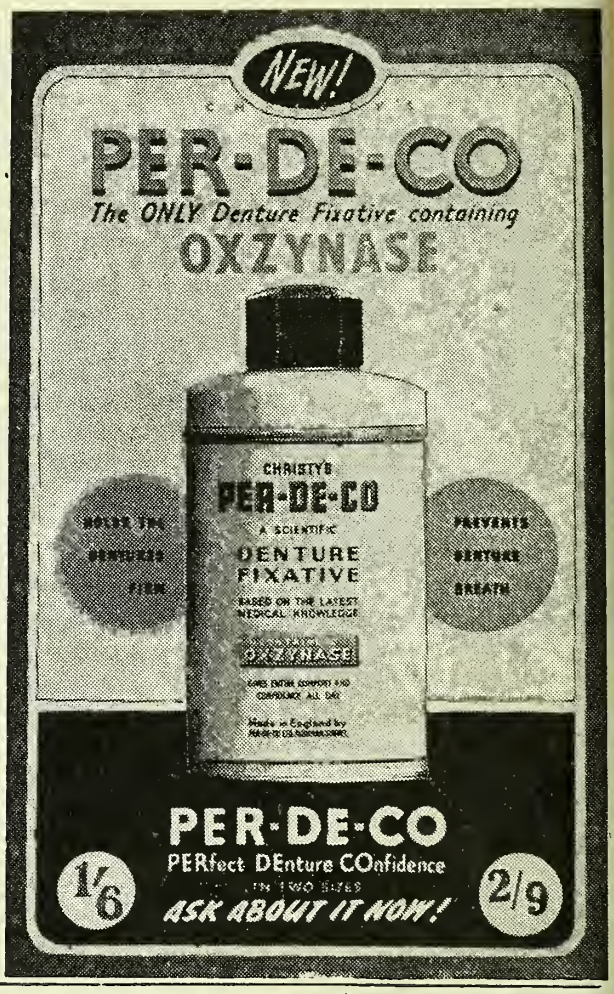
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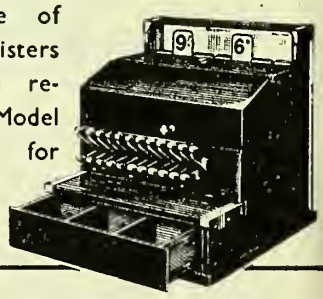
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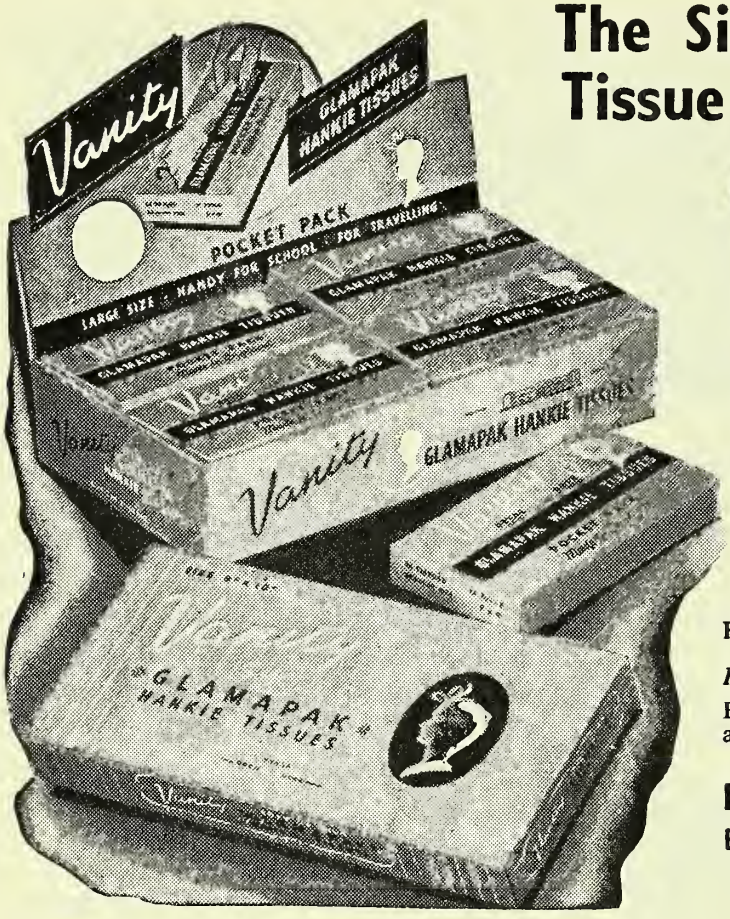
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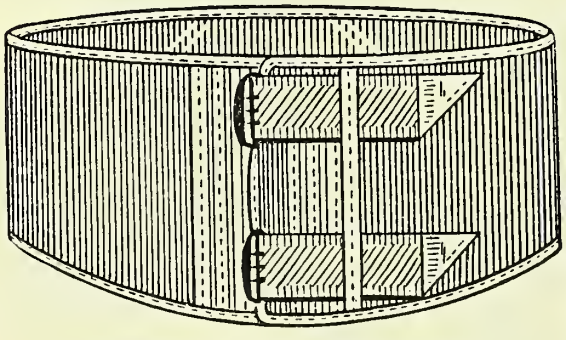
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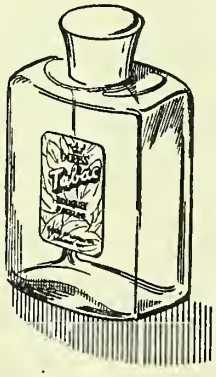
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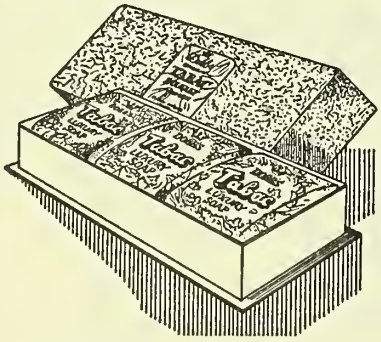
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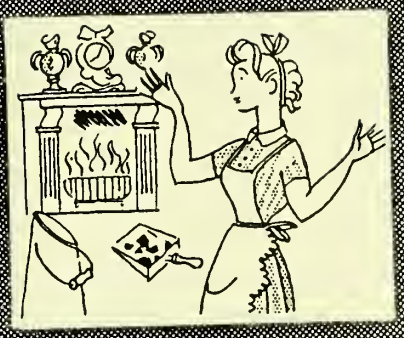
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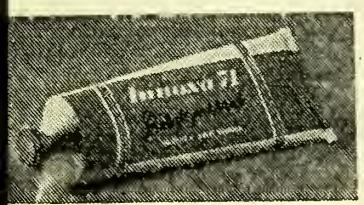


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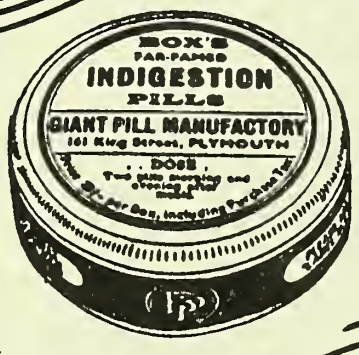
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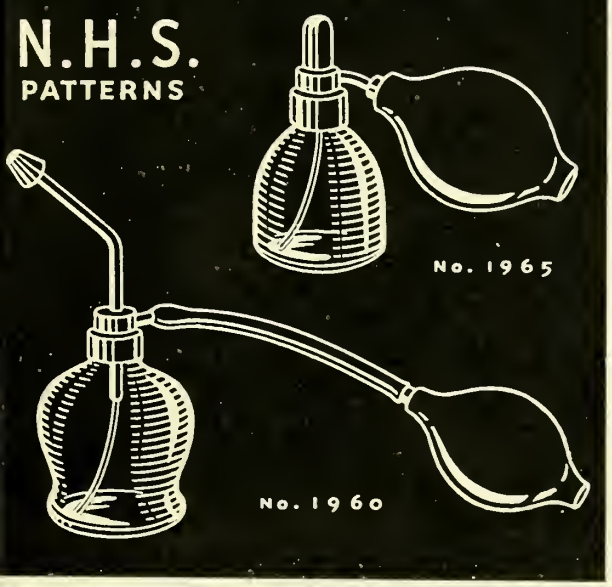
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NEWS OF THE WEEK

Bankruptcy Regulations Amended. — The Bankruptcy Rules, 1952 (S.I., 1952, No. 2113 (L.14)), effective from January 1, 1953, consolidate previous Rules and make a number of minor amendments.

Abortion Bill.—The text of a private member's Bill to amend the law relating to abortion and sponsored by Mr. J. Reeves, M.P., and six other members has been published.

Manchester Dispensers Form Branch. —A Manchester branch of the Guild of Dispensers was formed recently. The *Secretary* is Mr. E. Highfield, 8 Holt Street, Audenshaw, Manchester.

P.A.T.A. Staff Entertained. — The council of the Proprietary Articles Trade Association entertained the staff of the Association to dinner and a theatre show in London on December 11. Mr. J. E. Goodall (president) was in the chair. Mr. F. J. Smith (chairman of the wholesale section) proposed the health of the president and Mrs. Goodall and complimented Mr. Goodall on initiating the social gathering of the staff, the first of its kind. Mr. Goodall proposed the toast of "The P.A.T.A. Staff." Mr. H. E. Chapman (secretary) replied.

Chemists' Sales. — Board of Trade figures recently issued show that sales of chemists' goods by large retailers were 1 per cent. higher in October than in September and 3 per cent. higher than in October 1951. Comparative figures for independent retailers were 2 per cent. lower and unchanged respectively.

Medical Services Amendment Order. —Under an Order (S.I., 1952, No. 2135) made by the Minister of Health, provision is made for an Executive Council to remove the name of a doctor from its list when it is apparent that no medical services are being provided by him. The Order came into operation on December 18.

Census Report on Shop and Office Fitting.—Gross production by larger establishments in the shop and office fitting trade in Great Britain in 1948 amounted to

£13,152,000 compared with £7,059,000 in 1935. Sales of built-in furniture and fittings of wood and of metal (excluding the amount charged for fitting) for shops by 362 "larger" establishments were valued at £2,241,000. Sales of exhibition stands by forty-six larger establishments totalled £1,787,000; sales of shopfronts mainly of wood were valued at £573,000, while those mainly of metal were valued at £759,000; other shopfronts were sold for £146,000.

ACTH Isolated. — As the result of three years' work, a team of chemists in the Armour Laboratories division of Armour & Co., Chicago, Illinois, U.S.A., have isolated pure adrenocorticotrophic hormone (ACTH). It is a white powder, soluble in water, chemically a protein with a molecular weight of about 3,500 (much smaller than originally estimated). It appears to consist essentially of a single chain of amino acids, and has 150 to 200 potency units per mgm. The pure substance will provide a firm standard against which to measure therapeutic preparations of ACTH, and should open the way to research on the underlying mechanisms by which the hormone exercises its effects. The principal problem was coping with the lability of the substance.

N.I. Examination Results. — The following candidates have been successful in the examinations of the Pharmaceutical Society of Northern Ireland:—*Preliminary Scientific Examination (Part I)*, James I. Beattie, William J. Blair, Noelle M. C. Bogues, James Bowman, Pauline I. Boyle, William J. Gamble, Marie C. Gorman, Mary E. Hendron, Mary R. Hughes, Kennedy Lyle, Margaret M. McCann, Allen J. McClay, Michael J. McDermott, Philip C. McGarrity, William A. Neill, Patrick A. Rooney, Helen Roulston, Ann M. Treanor, Robert J. White. *Final Qualifying Examination (Part II)*, Joseph S. R. Armstrong, George B. Campbell, Frederick A. Dundee, Annie Elliott, Maureen Ferguson, John D. Forster, John H. Galbraith, Robert Graham, William T. Hunter, Robert J. Hynes, Robert A. D. Jones, Muriel E. Kinney, Brian McCann, James McDonagh, John F. McErlean, Brendan A. McMullan, John C. C. Millen, Saul Nemtzov, Patrick Quail, Alfred J. C. Richardson, Robert H. Stewart.

Hospital Man-power Economies.—The Minister of Health (Mr. Iain Macleod) sent a memorandum on hospital manpower to all hospital authorities, on December 4, in which hospitals were asked not to increase their staffs without prior approval. The memorandum classifies hospital staffs into groups A, B, C and D. Group D comprises all except medical, dental, nursing and midwifery staff and an appendix specifically mentions pharmacists as being classed in group D. In that group hospitals are asked to try to achieve a reduction of 5 per cent. in the coming twelve months. The memorandum calls on all hospital boards and committees to carry out a detailed review of their staffs and make reductions wherever possible. There is not, however, to be any arbitrary cut. If the authority considers that a staff reduction would curtail essential services they should make a full report of the circumstances to the regional hospital board or to the Minister. Increases in the total numbers now employed are not to be made without prior approval. In the case of hospital management committee staff, approval for increases in number of staff will be given by the regional board, and in the case of regional board and teaching hospital staff by the Minister himself. [See also p. 861.]

Oxford Research Fellowship. — The endowment has been announced of a medical research fellowship, the Florey Trust, at Oxford University, by Boots, Ltd., The Distillers Co., Ltd., Glaxo Laboratories, Ltd., and Imperial Chemical Industries, Ltd., in commemoration of the work done on penicillin at Oxford by Sir Howard Florey and his co-workers.



Some visiting members of the Western (London) Pharmacists' Association at the headquarters plant of Glaxo Laboratories, Ltd., Greenford, Middlesex, recently. They were welcomed by Mr. L. F. Kitch, M.P.S.

TOPICAL REFLECTIONS

U.S.A. Hospital Pharmacy

By co-operation between the American Institute of the History of Pharmacy and the American Society of Hospital Pharmacists, there has been issued a well-produced and illustrated brochure, reprinted from the Society's "Bulletin" (9.4.279-421) describing its foundation in 1942 and subsequent development. The narrative may be briefly defined as a success story in two parts: (1) Events leading to the inauguration, and (2) the development. In a foreword, Dr. George Urdang comments that "the hospital pharmacist was the first recognised representative of the specialised art and science of pharmacy," and in confirmation refers to a plan for remodelling a Swiss monastery in the ninth century. A few hospitals in the United States engaged pharmacists from 1752 onwards; but they were exceptions. Not till 1921 did a demand for organisation among hospital pharmacists take shape. The first public manifestation of the trend was an article contributed to an American journal by Mr. E. C. Austin of the Cincinnati General Hospital; and the step first discussed was the formation of a group within the American Pharmaceutical Association. In 1925 a Hospital Pharmacy Association was formed in Southern California: other state associations of this or a similar type arose a few years later. In 1936 a subsection on hospital pharmacy was started in the A.Ph.A. When this subsection met at the convention of the Association in 1941, a resolution for forming a separate society was put to the vote and carried.

Steady Growth

On August 21, 1942, the Society was founded as an autonomous body. Three facts in its development are salient. The first is that its membership has increased steadily from less than 100 to the present strength of more than 2,000: a graph shows this clearly. The second fact is that "the fundamental objectives as set forth in the Constitution and By-laws remain essentially the same today in 1952"—good evidence of careful planning. The third fact is that close ties have been established with the American Pharmaceutical Association and the American Association for the Advancement of Science. (A joint venture of the A.Ph.A. and the A.S.H.P., known as the Division of Hospital Pharmacy, has been launched.) The Society's standing committees have been supplemented by special committees, seven of which are mentioned in the booklet. An important outcome of these activities has been the adoption of a "Minimum Standard for Pharmacies in Hospitals." The final section of the reprint, before the appendices and index are reached, is headed "Evaluations and Interpretations," and may be regarded as a summing up. Its author, Mr. Don E. Francke, has made a selection, with judicious comment, from the matters set forth more fully in the preceding pages. He points out, among other observations, that the Society has had an influence on the position assigned in United States hospitals to their pharmaceutical departments. One of his remarks is applicable in all countries: "An organisation cannot accomplish its objectives solely by an educational programme among its members . . . there must be a professional and public relations programme to carry to closely related groups the basic principles of what the organisation stands for. . . ."

Antimony in Medicine

A few years ago I heard a distinguished specialist say that antimony is not prescribed (or, it may have been, not much prescribed) in modern practice. The word is assigned provisionally to the Arabic language, and was formerly applied to native antimony trisulphide. The use of some preparation or preparations of the metal has been traced to Constantinus Africanus (1020-87). As is well known, Basil Valentine gave the element enthusiastic publicity in his "Triumphal Chariot of Antimony," first published in 1601 but probably circulated in manuscript earlier. Antimony entered the Pharmacopœia Londinensis in five forms—oleum seu butyrum antimonii, antimonium cum nitro calcinatum, regulus antimonii, crocus metallorum, vitrum antimonii. In Quincy's Dispensatory (1718) there are at least twenty preparations of it; in the Edinburgh Pharmacopœia of 1735, fifteen; in the P.L. of 1788, nine; and in that of 1824, four. Salmon, in his translation of the Pharmacopœia Bateana, referred to seven or eight recipes of the then popular diaphoretic antimony (the second of the five P.L. forms noted in a preceding sentence). This medicament was, according to some authors, to be kept away from air lest it should turn dangerous. ***Xrayser***

BIRTH

BOTHA.—In South Africa on November 25, to the wife of Johannes Frederik Botha, M.P.S., Hoofstraat 336 Main Street, Paarl, S.A., a son.

DEATHS

BECKLEY. — At his home, 11 Avenue Crescent, Wickford, Essex, on December 19, after a short illness, Mr. Walter John Beckley (formerly Clerk to Essex Executive Council) aged sixty-eight.

DAMPIER.—On December 11, Sir William Cecil Dampier, Sc.D., F.R.S. (known through much of his life as Dampier-Whetham), aged eighty-four. Sir William was secretary of the Agricultural Research Council, 1931-35, and the author of many scientific and agricultural publications including: Solution and Electrolysis (1895); Theory of Solution (1902); History of Science (1929); various works on eugenics and dairy research.

DRAPER.—On December 1, Mr. Edward John Draper, M.P.S., St. Ritas, Sorrento Road, Dalkey, Dublin, Eire. Mr. Draper qualified (with the Pharmaceutical Society of Great Britain) in 1915.

FITZGIBBON.—At his home in Dublin, recently, Mr. Gibbon FitzGibbon, M.D., F.R.C.P.I., F.R.C.O.G. (formerly master of the Rotunda Hospital, Dublin), aged seventy-five. Dr. FitzGibbon was president of the seventh British Congress of Obstetrics and Gynæcology, and vice-president, 1927, of the obstetrics section of the British Medical Association.

GRAYSHON. — At 38 Spofforth Hill, Wetherby, on December 7, Mr. Harry Grayshon, M.P.S., aged seventy-eight.

MOORE. — On December 2, suddenly, Mr. Thomas Moore (proprietor of a wholesale druggist and manufacturing chemist business conducted under his own name in Shaftesbury Road, Leicester).

RHODES.—Recently, Mr. Albert Arthur Rhodes, M.P.S., aged eighty-two. Mr. Rhodes had been in business as a chemist in Wrawby Street, Brigg, Lincs, for fifty-one years. He was the oldest member of Brigg urban district council, of which he had been chairman three times. He was for twenty-five years secretary of the local operatic society. He qualified in Edinburgh in 1893.

ROBINSON. — Recently, Mr. John Bradbury Robinson (a director of Robinson & Sons, Ltd., Chesterfield).

TREBILCO. — On December 7, Mr. Arthur James Trebilco, M.P.S., Trebudannon, Nore Road, Redcliffe Bay, Portishead, near Bristol. Mr. Trebilco qualified in 1898.

WALKER.—On October 23, Mr. Wilfred Arthur Walker, M.P.S., 13 Portland Crescent, Dovercourt, Essex. Mr. Walker qualified in 1924.

BUSINESS CHANGES

PINAUD, LTD., 128 Atkins Road, London, S.W.12, have removed to 50 Clapham High Street, London, S.W.4 (telephone: Macaulay 3411).

GORDON LOCK (GRIMSBY), LTD., Chantry Lane, Grimsby, Lincs, have acquired the pharmacy of Mr. B. O. Carr, M.P.S., at 58 High Street, Cleethorpes, Lincs.

ENERGEN FOODS CO., LTD., Bridge Road, Willesden, London, N.W.10, are concentrating production of their foods at their new factory at Ashford, Kent. The head office of the company remains in Willesden.

PHILLIP RADCLIFFE, LTD., Littleport, Cambs, have acquired the pharmacy of the late Mr. Philip Hudson, M.P.S., 98 Norfolk Street, Wisbech, Cambs. The business will be carried on under the title Philip Hudson.

THE address of the Clerk to the National Health Service Tribunal has been, since December 19, Mr. R. B. Cooke, Solicitor, 1 South Square, Gray's Inn, London, W.C.2 (telephone: Chancery 8155).

PERSONALITIES

MR. MICAEL SEAMUS DARGAN, L.P.S.I., who received his licence certificates of the Pharmaceutical Society of Ireland at the first ceremony held at the new headquarters recently, is an Irish rugby international. Mr. Dargan's parents are both pharmacists.

DR. GLENN SONNEDECKER (University of Wisconsin, U.S.A.) has been appointed assistant professor of the history of pharmacy at the University in the place of Dr. G. Urdang who became professor emeritus on his seventieth birthday (June 13). Dr. Sonnedecker was the first to obtain a joint doctorate in the history of pharmacy and the history of science at the University. His thesis dealt with "American Pharmaceutical Education before 1900." He is secretary of the American Institute of the History of Pharmacy.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. IAIN MACLEOD (Minister of Health) told DR. BARNET STROSS on December 18 that the number of prescription forms issued in England and Wales in September 1951 under the National Health Service, was 10,278,213; the average number of prescriptions per form was 1.59 and the average cost per form 6s. 1.8d. The estimated number of forms issued in September 1952, based on numbers declared by chemists was 9,511,000 and the average number of prescriptions per form 1.72. The average cost per form was not yet known.

DR. STROSS suggested that the Minister might find that the increase in the cost of a prescription cancelled some of the financial gain he was hoping to make and asked whether if that proved to be so he would review the whole matter.

MR. MACLEOD replied that if the prescriptions and not forms were compared the deterrent effect for that month was less than a quarter of 1 per cent.

Rotas in Wales

The REV. LLEWELLYN WILLIAMS asked the Minister of Health on December 18 whether he was satisfied that in Wales and Monmouthshire there was in operation on chemists' closing half-days an agreed duty rota for dealing with doctors' prescriptions. MR. IAIN MACLEOD: Yes.

Supply of Elastic Hosiery

MR. IAIN MACLEOD (Minister of Health) told MR. W. W. HAMILTON on December 18 that the number of elastic hosiery (single articles or pairs) supplied during June-November 1952, was 16,055; July-December 1948, 4,788; 1949, 23,331; 1950, 31,155; and 1951, 35,732.

MR. J. H. STEWART told MR. W. W. HAMILTON on December 19 that the number of elastic stockings supplied by hospitals in Scotland through the National Health Service during various periods were as follows: In the six months to September 1952, 1,536; 1948 (from July 5), 243; 1949, 1,614; 1950, 1,977; 1951, 2,619; 1952 (to September 30), 2,223.

Prescriptions Dispensed

MR. H. N. LINSTEAD asked on December 18 for the number of prescriptions dispensed by chemists under N.H.S. for the latest convenient three months; the ratio of prescriptions per form, and the proportion of forms in the S bundle (expensive prescriptions).

MR. IAIN MACLEOD replied that the information in the last part of the question would not be known until the prescriptions had been priced. The number of prescriptions dispensed in August 1952 was 14,075,000 and the ratio of prescriptions to forms was 1.71. In September, 16,347,000, ratio 1.72; October, 18,662,000, ratio 1.73.

In reply to a second question, MR. IAIN MACLEOD told MR. LINSTEAD that during the twelve months ended March 31, 1952, the prescribing of 222 doctors (some of whom were in partnership) was examined for the first time. Medical officers in the Ministry of Health had visited most of them to discuss possible economies in their prescribing.

Fog Deaths

MR. IAIN MACLEOD (Minister of Health) told SIR H. WILLIAMS on December 18 that the number of deaths from all causes in Greater London during the week ending December 13 was 4,703 compared with 1,852 in the corresponding week of 1951. A large part of the increase must be attributed to the fog.

Hospital Staffs Economy

In a debate on a Ministry of Health circular concerning economy in hospital staffs on December 19 MISS P. HORNSBY-SMITH (Parliamentary Secretary to Ministry of Health) told MR. A. BLENKINSOP that the matter of a recommendation for a reduction of 5 per cent. in non-medical and non-nursing staff was adjusted to the circumstances of each hospital group.

Exports of Antibiotics to China

MR. H. R. MACKESON (Secretary for Overseas Trade) told MR. G. H. C. BING on December 19 that the permissible exports by the United Kingdom to meet China's normal civilian requirements of antibiotics and sulphonamides had been estimated by reference to exports to China and Hong Kong of those drugs in the first six months of 1950. Additional exports had been licensed to meet special needs certified by the Hong Kong authorities. The values of licences granted during the period July 1, 1951, to December 16, 1952, for those preparations were £889,700 and £417,900, respectively.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on December 12, the president (Mr. W. H. Boyd) in the chair. Also present were Messrs. J. Irwin, S. E. Campbell, F. R. Moore, C. A. Quinn, P. R. W. Shinner, H. W. Gamble, J. McGregor, Walter C. Tate and Professor E. B. C. Mayrs. The secretary (Mr. William Gorman) was in attendance. Apologies for absence were received from Messrs. H. P. Crossin, W. P. Ewart, H. H. Cowzer and H. J. Cousley.

D.D. Exemption

A letter was received from the Ministry of Home Affairs stating that "nalorphine" (N-allylnormorphine) had been exempted from the Dangerous Drug Acts.

A copy of a letter from S. Maw, Son & Sons, Ltd., forwarded for the Council's views by the Ministry of Home Affairs, requested exemption from schedule 4 for a preparation of nasal drops containing amphetamine.

After discussion the Council decided on the motion of MR. MCGREGOR, seconded by MR. SHINNER, to recommend that the preparation should be taken out of schedule 4. On the suggestion of PROFESSOR MAYRS it was also recommended that a limitation should be placed on the strength.

The Northern Ireland branch of the British Medical Association wrote, in reply to a communication from the Council, stating that careful consideration had been given to the desire to seek the amendment of section 15 of the Medicines, Pharmacy and Poisons Act, 1945, and that they had no objection provided that it would not affect the present position of qualified medical practitioners.

THE SECRETARY explained that the section dealt with the carrying on of business as a pharmacist. It was proposed to delete the reference "provided that nothing in this subsection shall affect any licentiate of Apothecaries' Hall or other duly qualified medical practitioner," to bring the section into line with legislation in Great Britain.

The chairman of the Statutory Committee (Mr. W. F. Patton) wrote stating that consideration had been given to certain advertisements referred to the Committee by the Council. In one case nothing objectionable was seen in the terms of the advertisement, and in another the Committee had no reason to believe that the person concerned was continuing to advertise in objectionable terms. In two other cases he was writing to the persons and expected that that would be sufficient.

Mr. Patton's letter also said: "The view which the Statutory Committee takes of those advertisements is that they arise out of a bad habit of long standing and are used mainly out of thoughtlessness. . . . It seems to the Committee that to continue to ask it to consider those matters which arise out of ignorance and thoughtlessness is putting a quite unnecessary burden on them and that the proper way to deal with the matter would be for the Society to issue a circular to their members on the subject. The Statutory Committee would not, of course, be bound by the views expressed. . . ."

Circular on Advertising

THE SECRETARY then stated that a circular had since been sent out to each member, and that action was approved. The circular reads: "Certain advertisements inserted in the Press and in various publications by authorised sellers of poisons have recently been forwarded to the Council of the Society. Those advertisements include such statements as: 'Prescriptions accurately compounded'; 'only purest drugs stocked'; 'Our dispensing is your safeguard,' which suggest that the person concerned is providing a better service or is better qualified to provide a service to the public than are other authorised sellers of poisons. The Council wishes it to be known that a member or body corporate issuing an advertisement which reflects on the integrity of, or service provided by, other pharmaceutical chemists, will be deemed to be guilty of professional misconduct. In future, all complaints of such misconduct will be referred to the Society's Statutory Committee. As many advertisements are renewed at the beginning of each year the Council recommends that those should be carefully scrutinised and statements likely to offend deleted."

It was also reported that owing to poor attendance, the headmaster of Omagh technical school had decided to discontinue pharmacy classes, and that the Committee recommended that the Omagh Chemists' Association should be asked to consider giving time off to students with a view to having the classes restarted in January.

CONFERRING CEREMONY IN DUBLIN



The president, vice-president, treasurer and registrar with professors of the College of Pharmacy and the young men who received licences. Below: The new lady licentiates with the Society's officers.



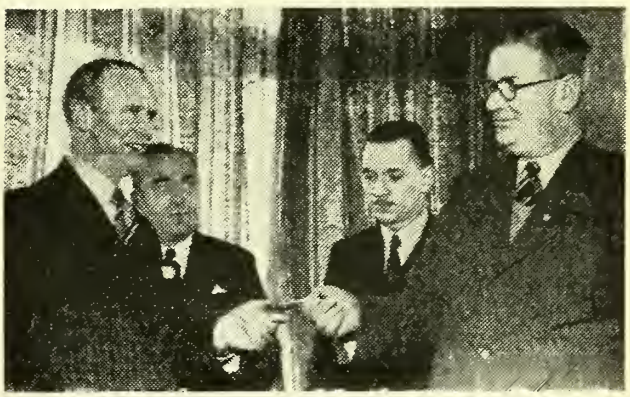
THE first conferring of licences held at the new headquarters of the Pharmaceutical Society of Ireland at Shrewsbury Road, Dublin, took place on December 2. Many relatives and friends of the new licentiates were present. The president (Mr. J. P. Kissane) who occupied the chair, was accompanied by the vice-president (Mr. M. Costello), treasurer (Mr. H. P. Corrigan), other Council members and College of Pharmacy staff. A feature of the function was that eight candidates received the first dispensing chemist and druggist certificates. The president stressed the importance of new licentiates' supporting the Society by becoming members at the outset of their careers. He also emphasised the necessity of observing the highest ethical standards. The names of the new licentiates have been given in the *C. & D.* (January 26, p. 99; May 3, p. 594; July 26, p. 100; November 1, p. 587).





At left: Rugby international Michael Dargan is congratulated by the president. Right: Brother and sister receive their licences: Mr. John and Miss Brigid Mary Harnett, Kolmorna, co. Kerry.

CHEQUE TO EQUIP NEW LABORATORY



Mr. Norman Collins, M.P.S. (manager, Burroughs Wellcome & Co.), presents a cheque for £200 to the treasurer of the Pharmaceutical Society of Ireland (Mr. Hugh P. Corrigan) to equip the aseptic dispensing room at the Society's new College of Pharmacy.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the National Pharmaceutical Union executive and of the directors of the Chemists' Defence Association, Ltd., were held in London on November 26, Mr. D. W. Hudson in the chair.

Reference was made to the death (*C. & D.*, November 15, p. 663) of Mr. W. Johnston, Ph.C. (secretary of the Chemists' Defence Association 1901-21), and THE CHAIRMAN called upon the members of the executive to stand in silence for a few moments in tribute to him.

Reports of meetings of the accounts and business services committees held the previous day were received and approved.

The Executive considered the Draft Revised Statement on Matters of Professional Conduct issued by the Council of the Pharmaceutical Society and decided to issue a statement on principles (see *C. & D.*, December 6, p. 771).

The Executive also discussed a proposal that a chemists' sick and accident insurance scheme should be launched, but decided to take no action unless evidence was forthcoming of a reasonable amount of interest on the part of prospective insurers. The secretary was authorised to outline in the N.P.U. supplement or otherwise the type of cover that could be made available, and to ask those interested to communicate with the Chemists' Mutual Insurance Co., Ltd. The Committee also considered a proposal concerning the possible extension of the scope of the Chemists' Sickness and Provident Society so that members could subscribe for shares which did not carry sickness benefit but accumulated until retirement age, when the capital sum could be surrendered to the Society in exchange for an annuity. It was decided not to extend the scope of the Society in that way but to suggest to members who reach retirement age that they should consider buying an annuity.

Resolutions from a Branch

The Executive received the following resolutions from the Watford and West Herts Branch:—

1. "It is the opinion of this Branch that the Executive should be encouraged to continue to arrange meetings for Sundays as this will encourage more attendance."

2. "This Branch calls upon the N.P.U. Executive to exert stronger pressure on the Central National Health Service (Contractors) Committee to speed up the pricing of prescriptions in view of the fluctuating and precarious nature of the final payments."

It was resolved that the first resolution should be discussed when the question of N.P.U. area meetings was considered and to take appropriate action on resolution 2.

THE SECRETARY reported that the Association of British Pharmaceutical Industry had decided that, from July, 1, 1953, drugs and galenicals (other than counter sale packs) should be sold to retail chemists in the metric system. For solids, a 500-gm. pack would replace the present 1-lb. pack, a 500-mil pack; the present 1-lb. pack for fluids and a 2-litre pack the present Winchester. It was understood that not all drug houses would change over to the system but that most would probably change over to selling liquid galenicals by volume instead of by weight. It was resolved to raise no objection to the proposal.

The Executive agreed to a proposal from the British Pharmaceutical Codex Revision Committee to reduce the number of formulas for surgical spirit in the B.P.C., subject to sufficient time being given to dispose of existing stocks.

Basic Buying Quantities

The report of the Central N.H.S. Committee was presented by THE CHAIRMAN (Mr. H. Steinman), who stated that the secretary of the management side of the Whitley Council had asked for the data on which claims for increased remuneration were based. The Committee had agreed to make the data available. Further consideration had been given to proposals from the Ministry of Health for revising the basic buying quantities of certain Drug Tariff tablets, and it was agreed that, with three items, the quantities could be revised. In the remainder the Committee believed that payment should continue to be based on the rates that already operated.

THE CHAIRMAN reported that discussions with the Ministry had taken place on the supply of elastic hosiery and trusses through the general practitioner service and that the Ministry had agreed that payment should not be disallowed where contractors had inadvertently supplied the wrong type of hosiery between February and September, but should be made on an agreed scale of basic prices. That arrangement would not extend further than the end of September and the requirements of Clause 16 of the Tariff must

therefore be observed. The committee had also taken up with the Ministry the question of payment for non-scheduled appliances, and a request had been made for a meeting with representatives of the Ministry's pharmaceutical department. The service during the Christmas holiday should be left to local Pharmaceutical Committees to decide. Forty-eight persons who had joined the Union since the previous meeting of the executive were formally elected as members.

NORTHERN IRELAND HEALTH BOARD

THE Northern Ireland General Health Services Board is presenting a Supplementary Estimate of £329,000 for pharmaceutical services. The revised estimate is now £1,554,000. At the Board's November meeting an interim payment to chemists for October of £101,007 was approved together with £8,967 as the balance for June.

Surcharges Recommended

It was decided that the problem of the prescribing by doctors of appliances not on the List should be examined by the Medical and Pharmaceutical Advisory Committees at a joint meeting. MR. JOHN MCGREGOR (a pharmaceutical member) expressed the opinion that it would be a good thing if the Regulations were amended to allow doctors to be surcharged for ordering appliances which were not in the prescribed list.

A letter addressed by Rybar Laboratories, Ltd., to a patient who had used it to persuade a doctor to prescribe a Rybar inhaler was considered. The patient had received with the letter, an inhaler and a bottle of inhalant on a fortnight's trial and without obligation to purchase. The letter included in its text the following statement:

"Your doctor may, if he agree with the treatment, prescribe both inhalant and Rybar inhaler with mask under the National Health Service. If your doctor gives you a prescription for these you will please send it direct to us together with the name and address of your usual chemist."

A reply to Rybar Laboratories, Ltd., was approved by the Board and the secretary was instructed to set out the facts of the case in a memorandum to doctors and chemists.

No Action

The Medical Advisory Committee decided that no action should be taken on a number of daily prescriptions for morphine sulphate ordered for a patient who was, apparently, a drug addict.

The Pharmaceutical and Medical Advisory Committees at their joint meeting will consider replies from twenty-seven dispensing doctors residing in or near the same town or village as a chemist to the Board's inquiry about the continuation of such dispensing.

The replies were in four categories covering doctors who agreed that their patients would not suffer serious difficulty and who were prepared to cease dispensing; those who appeared anxious to stop but felt there would be genuine difficulties for patients; others who mentioned difficulties but did not indicate their wishes; and those who wished to continue dispensing.

The Medical Advisory Committee recommended that the doctors in the first category should not be required to continue dispensing and that others who wished could be relieved, provided adequate pharmaceutical arrangements could be made.

A BICENTENARY BOOK

AN illustrated 52-quarto-paged book commemorating the completion of 200 years of production at the glass works at Rotherham has just been published by Beatson, Clark & Co., Ltd. The bicentenary was in fact completed in 1951, for the business was founded as John Wright & Co. in 1751. William Beatson, great grandfather of the present chairman, Ernest Beatson Clark, joined the business in 1783 and the family interest has been continuous since that date. In the early days the "several trades and mysteries of glass and bottle manufacturers and potters" resulted in a picturesque out-turn of antiguglars, corals and Daffy's, fish globes and goblets, hemispheres for French lamps, lace makers' lights, lumps, muffineers and syllabubs. A price list dated 1829 included the items "Carboys, 1s. 6d." and "Rounds specie mouths the same as Rounds and Stoppers. 2s. 8d." The company's modern development dates largely from the incorporation of the business as a limited company in 1910. Even so recently as 1929 the number of employees—today over 900—was less than 200. Output of bottles rose from 25,000 gross in 1919 to 535,000 gross in 1949.

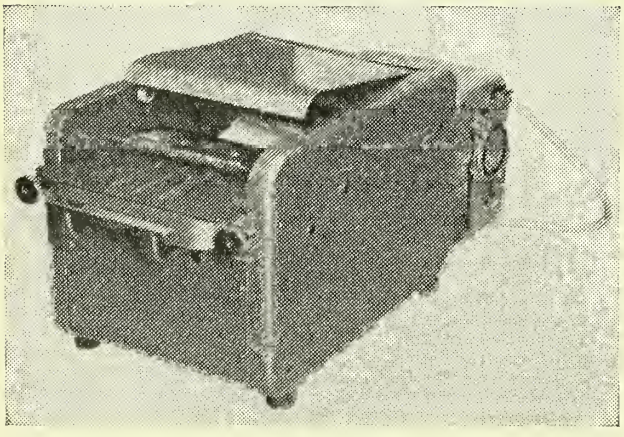
MACHINERY AND PLANT NOTES

Floor Maintenance.—Floor hardeners, cleaners, sweeping powders, waxes and polishes for dealing with all floor surfaces, including rubber, are manufactured by London Soap & Chemical Co., Ltd., Richardson Street, London, S.E.1.

Barrel Stand and Lifter.—The Powell barrel stand and lifter manufactured by London Soap & Chemical Works, Ltd., forms a compact unit, occupying minimum floor space, and is operated by one man. Though light and rigid, it takes drums up to 5 cwt. in weight, supporting them at a height convenient for filling a large bucket or container.

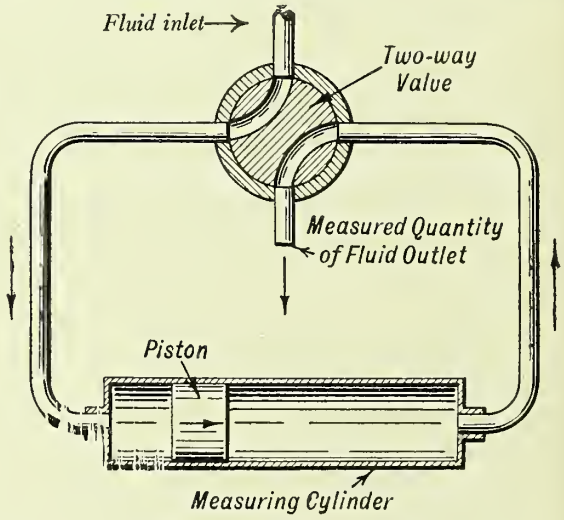
Automatic Packing and Weighing. — Walker Ward (Chemicals), Ltd., 64 Aldermanbury, London, E.C.2, offer a new type of machine specially designed for weighing and packing powders when working to fine limits. Machines of the company's manufacture are in use for handling a wide range of free-flowing materials such as crystals, granules, shampoo and face powders, etc.

Gummed Labels Delivered Automatically.—With a new automatic label gummer—the Newman—made by D. TRAPOW & Co., LTD., 113 Regents Park Road, London, N.W.1, a wet-gummed label is



delivered to the operator each time he depresses a metal bar at the front of the machine with the heel of his hand. Simplicity of construction and operation is the keynote of the machine, which can deliver labels as fast as the operator can work the control, and takes in one loading more than 500 labels in any size from 1 x 1 in. to 6 x 6 in. in a variety of shapes. The machine has only one powered moving part—a metal roller which picks up liquid adhesive from a shallow trough. Adjustment of two milled wheels on either side of the control bar varies the gap between the roller and the gum reservoir, and allows the thickness of gum taken up to be varied. Continuous rotation prevents the gum from hardening on the roller. The machine, in stove-enamelled finish, is being marketed early in the New Year at an economical price. It stands just over 9 in. high and uses a $\frac{1}{6}$ h.p. electric motor (current consumption equivalent to that of a 200-watt lamp). All parts are standardised, and little maintenance is required.

Closed Circuit Ampouling.—A closed circuit ampoule-filling machine made for medium runs by Apis Engineering & Research, Ltd., 136 Pinner Road, Northwood,



Middlesex, embodies a flow scheme which can be represented diagrammatically as shown. The floating piston in the hypodermic - syringe - type measuring - cylinder can be adjusted to deliver a set volume of liquid. The two-way valve mechanism reverses the flow to and from the cylinder after each delivery to allow for the next. In practice the valves are totally enclosed and are operated electro-magnetically.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

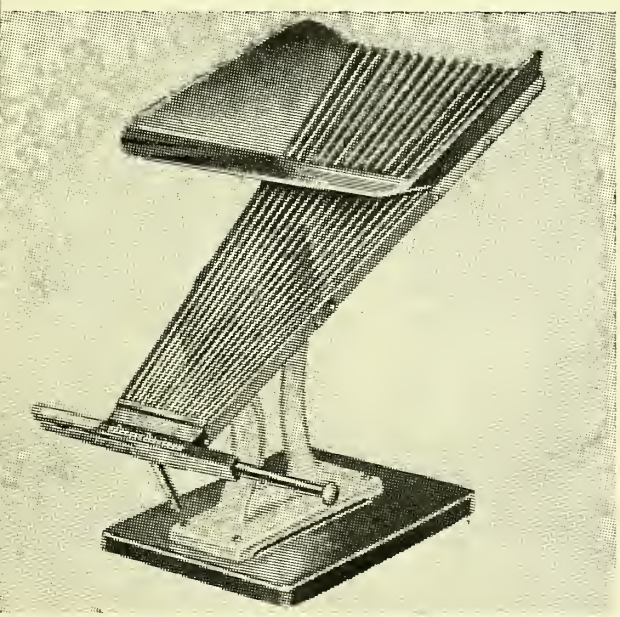
Friday, January 2

EXETER BRANCH, PHARMACEUTICAL SOCIETY, assembly rooms, South Street, Exeter, at 7.30 p.m. Brains trust.

CORNWALL PHARMACEUTICAL COMMITTEE, St. Mary's Church Hall, Old Bridge Street, Truro, at 7.30 p.m. Miss E. M. R. Russell-Smith (an Under-secretary, Ministry of Health) on "The General Pharmaceutical Services in the National Health Service."

TABLET COUNTING MACHINES

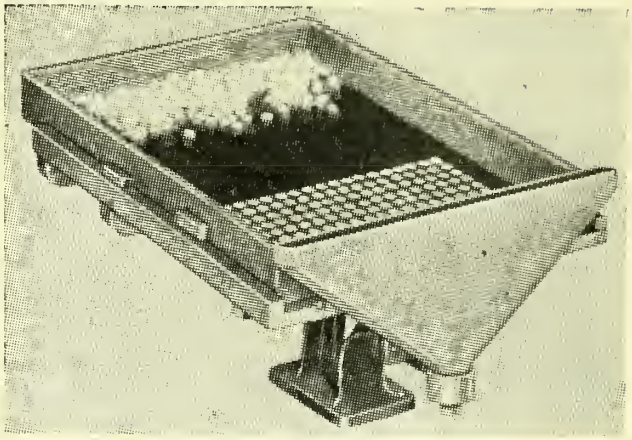
Designs of machines available for counting tablets include the following for use on a small scale. The first consists of a tray device, fitted at one end with a counting plate containing a number of holes equivalent to the number of tablets to be counted. Beneath the plate is a false bottom. The tablets to be counted are placed on the tray and brushed over the holes. Care is taken that the plate selected has holes of about the same diameter as that of the tablets so that each hole will accommodate one tablet. After the surplus of tablets has been brushed back to the tray the false bottom is removed and the tablets held in the holes drop into the container via two hoppers the second of which oscillates to prevent the tablets clogging in the orifice. The counting plate can readily be changed to accommodate tablets of various sizes. The machine is suitable for use in conjunction with a slow conveyor belt packaging line.



Raceway type of machine.

The second machine makes use of a series of sloping and tapering channels called a raceway, at the top of which the tablets to be counted are discharged. They align themselves down channels which are shaped so that at the bottom only one tablet can be contained in each. The complete bottom row of the tablets may then be fed directly into a final container.

For larger scale work an electronic counting device has been made, which counts tablets by a photo-electric means as they pass through the machine in a stream in a single row. There is no limit to the speed of the stream. The process can be halted after any given number have been counted, for specially careful filling where the products are fragile.



Perforated-plate type of machine.

PHOTOGRAPHIC NOTES

Photographic Sponge. — Ilford, Ltd., Ilford, are marketing a fine-textured rectangular sponge wrapped in transparent tissue, for removing surplus water from films and plates.

Exhibition Print Hanger. — The new Ilford print hanger has been marketed for the express purpose of hanging mounted 20 x 16 in. prints for exhibition. A camera club could afford a reasonable quantity of them, for they cost only 3s. 0½d. each. The hanger comprises four lengths of coppered wire, jointed in three places by aluminium clips, which also serve to support the sides and the base of the mount, and in a fourth by a ring which not only serves for hanging purposes but also allows the whole device to fold up into a space less than 1 ft. 6 in. in length and no thicker than the four pieces of wire. The clips will hold a sheet of glass as well as the mount if desired, and mounts up to 22 in. wide can be accommodated. The makers are Ilford, Ltd., Ilford, Essex.

WILLS

Mr. R. B. Johns, 55 Stafford Road, Bloxwich, Staffs (a Midlands representative of Bratby & Hinchliffe, Ltd., Manchester, and Barnett & Foster, Ltd., London), left £545.

Mr. A. Murray, M.P.S., 240 Albert Drive, Glasgow, formerly of 456 Kilmarnock Road, Glasgow, a past-chairman of the Executive of the Scottish Department of the Pharmaceutical Society), left £9,870.

TRADE NOTES

Representation in East Africa.—Africa Indenting House, P.O. Box 2513, Nairobi, Kenya, offer to act as selling representatives on a commission basis for makers and sole distributors in Britain.

Anti-pain Tablets. — Tell Products, Ltd., Welbeck Works, 93 Cobbold Road, London, N.W.10, have introduced Parvo-med (anti-pain) tablets in bottle of twenty and dispensing pack containing 500 tablets.

Liver Extracts.—Antigen, Ltd., 5 Rampayne Street, London, S.W.1, offer liver extracts in bulk, vials or ampoules from livers processed at the company's factory at Roscrea, Ireland.

Distribution in Canada. — Details will be supplied on request to Northrop & Lyman Co., Ltd., Toronto, Canada, of facilities they offer for manufacturing and distributing products in the Canadian pharmaceutical trade.

Sterling Area Depôt. — Davis & Lawrence Co. (Canada), Ltd., manufacturing chemists, have opened a new division at Ordnance Island, St. George's, Bermuda, to manufacture and export their pharmaceutical products and flavouring extracts. It will be responsible for trade in all sterling areas.

1953 Exhibitions.—The "Daily Mail" Ideal Home Exhibition, 1953, is being held at Olympia, London, March 3-28.—The Gifts and Fancy Goods Fair, 1953, organised by the Fancy Goods Association, is being held at Harrogate, February 2-6. It will include a special display of coronation souvenir items.

Intramuscular Hypotensive Solution.—Riker Laboratories, Ltd., 29 Kirkewhite Street, Nottingham, announce the introduction of Veriloid intramuscular solution, a "potent and rapidly effective" agent for reduction of blood-pressure, valuable also in the treatment of malignant hypertension, encephalopathy, eclampsia, etc. Veriloid intramuscular solution is packaged in boxes of six 2-c.c. ampoules.

Female Hormone Preparation.—Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, are putting on the market a new hormone preparation, Methandiol (methyl androstenediol dipropionate), which can be administered to female patients in the indications for which methyl testosterone has been used but without fear of masculinisation. Methandiol is issued as 10-mgm. and 25-mgm. tablets in container of twenty-five and bottles of 100, 500 and 1,000.

Colour-measuring Apparatus.—Under the name Metricolor, Tribox, Laudongasse 33, Vienna, 8, Austria, are marketing an instrument that furnishes figures for the values of hue, admixture of white, and admixture of black in the determination of colour. The Metricolor mixing plate makes it possible to compose any desired nuance in a fraction of the time which has been necessary for that purpose hitherto.

Tooth and Denture Powders.—In addition to the new chlorophyll-containing variant of Eucryl tooth-powder (*C. & D.*, December 6, p. 770), Eucryl, Ltd., Southampton, are marketing a new dental-plate fixative with chlorophyll, and Eucryl denture powder is being prepared to a new formula with "a special ingredient for cutting through denture film." For users who prefer a sprinkler or shaker tin Messrs. Eucryl are reintroducing both types.

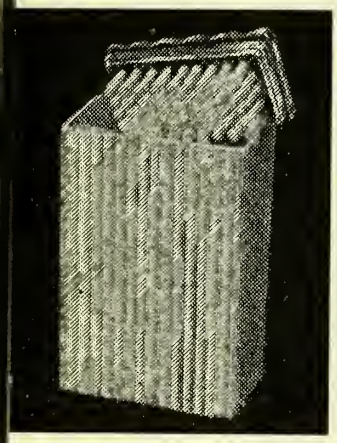
Holiday Closing.—T. & H. Smith, Ltd., Edinburgh and London, advise holiday arrangements as follows:—

	Edinburgh	London
December 25 ...	Closed	Closed
December 26 ...	Open	Closed
December 27 ...	Open	Closed
January 1, 1953 ...	Closed	Open
January 2, 1953 ...	Closed	Open
January 3, 1953 ...	Open	Open

Non-interference Dry Shavers.—Chilton Electric Products, Ltd., Hungerford, Berks, have received from the Post Office Engineering Department a letter acknowledging that the company's Kub and Buk electric dry shavers cause no interference with radio and television. They claim that those shavers are the only ones on the market about which that statement can be made. Messrs. Chilton have appointed Baker, Duthie & Co., Ltd., 131 West Regent Street, Glasgow, C.2, to handle their electric dry shavers in Scotland.

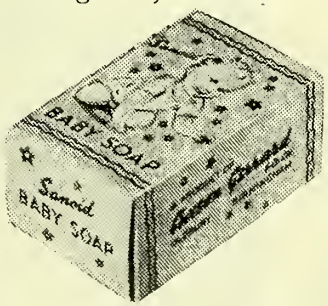
Distribution Widened to Chemists. — The practice of caponising cockerels by "implantation" with pellet or tablet of stilbœstrol, hexœstrol or implantin, originally introduced for use on cockerels, is now being taken up by turkey breeders also. Previously, implantin was available only to veterinary surgeons, but Burroughs

Wellcome & Co., 183 Euston Road, London, N.W.1, point out that there is now no restriction on supply through chemists, and householders can, with the metal injector supplied with the preparation, caponise their own birds.



Soap-box and Nail-brush. — The Polytainer product illustrated, which combines a fluted polythene soap-box with a Nylon-bristled polystyrene nail-brush (as close-fitting lid), is made by Industrial Appliances, Ltd., 21 Grosvenor Street, London, W.1.

Again Available.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, announce that supplies are again available of Sanoid baby soap. Before the 1939-45 war this delicately perfumed soap achieved great popularity and sales were restricted only by the company's capacity to produce. During the war, certain materials became unobtainable and it was decided to discontinue manufacture rather than supply a product not up to the high standard by which it was known. Now that all the materials are again readily available the product is reintroduced in a redesigned pack, as illustrated, which is printed in pinks and blues to appeal to mothers.



Designed Lighting.—Far greater sales and attraction value are gained from a given current consumption if sign and window illumination are designed together by one who knows the most effective and economical ways of using the wide variety of equipment offered by electric lamp manufacturers. One of the leading exponents of such planned lighting is Modern Electric (Installations), Ltd., 184 Royal College Street, London, N.W.1, whose recent installations, carried out under the expert guidance of Mr. S. E. Quitak (a director), have included many highly successful combinations, such as cathode tube nameplate on fascia of toning or contrasting colour, below it a slogan or other lettering silhouetted against a panel of white light, and in the window strip lighting augmented by concealed lamps. Mr. Quitak believes that many retailers imagine schemes of that kind to be prohibitive in cost and strenuously denies that that is so.

Action of Quaternary Ammonium Compounds.—An annotation in the November 15 issue of the "Lancet" stated that the quaternary ammonium salts have no appreciable effect on the pseudomonas group. Although this is true for cetrimide, Mr. L. M. Spalton (a director of Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2) points out that it is not a valid criticism of all quaternary ammonium salts. At least one of them, Roccal, has appreciable activity against *Pseudomonas pyocyanea*. That activity, though less than against streptococci and staphylococci, is, he states, higher than that of many disinfectants widely used in hospital practice. As yet no disinfectant is available that has a high killing power against the pseudomonas group, but that should not prevent the use of such quaternary salts, which have an effect against the group and have other merits.

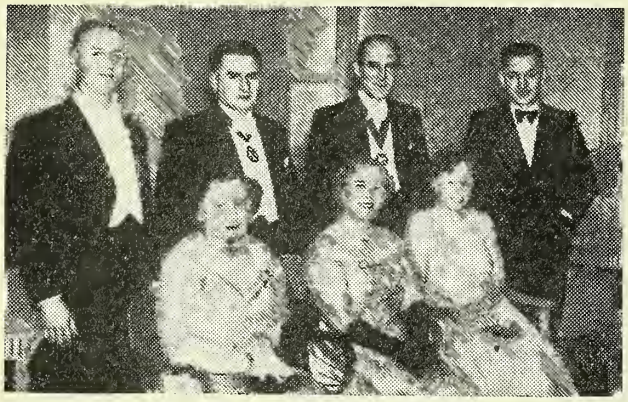
Industrial Design Testing-shop.—With the primary object of testing under conditions of use the effectiveness of their package designs, and the secondary function of supplying the staff of their organisations, Richard Lonsdale-Hands Associates, industrial designers, Commonwealth House, London, W.C.1, opened recently what they describe—it is an understatement—as "the strangest shop in the world." The shop is licensed to sell food, registered under the sweets-points scheme, and buys through normal trade channels, but sells only pro-





ducts whose packaging has been designed or modified by the Lonsdale-Hands Organisation. The "shop," which is laid out like a self-service store, provides "a continuous study of how packs display on the shelves, how they 'handle,' and how they stand up to normal shopping conditions." Two examples of packs designed by the organisation are illustrated.

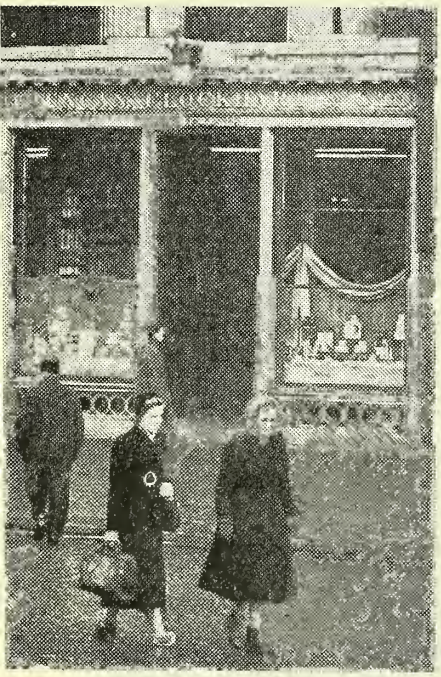
PICTURED EVENTS OF 1952



The president and secretary of the Pharmaceutical Society of Ireland, visiting Belfast for the annual dinner and dance of the Pharmaceutical Society of Northern Ireland, are photographed with the Northern president and secretary and Mesdames Kissane, Gamble and Gorman.

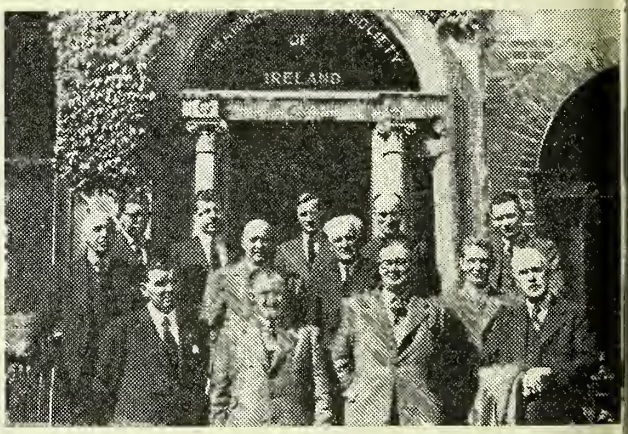


Sheffield chemists combine to open a central pharmacy to provide "after-hours" dispensing service for N.H.S. patients.

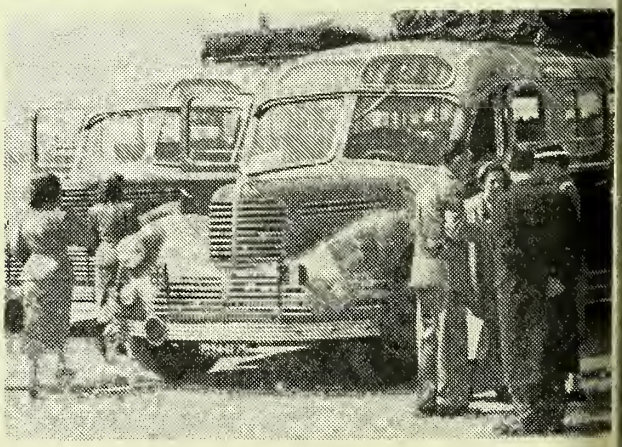


At right: Council members of the Pharmaceutical Society of Ireland take leave of their old headquarters before removal to Shrewsbury Road, Dublin.

At left: Princes Street, Edinburgh, loses a historic pharmacy when Duncan, Flockhart & Co. dispose of premises they occupied for 106 years.



At right: Passengers board coaches at Orly aerodrome, Paris, on the southward journey to Vichy for the second Franco-British Pharmaceutical Congress.





At left: The wife of the chairman (Mr. H. T. Thomas) welcomes guests at centenary dinner of Society's Scottish Department.

At right: The foundation stone is laid of a new microscopy-stain factory at East Sheen.

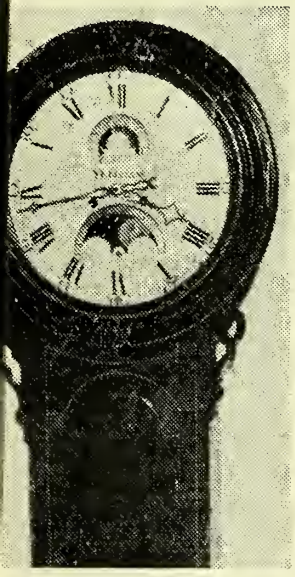




ficers of the Pharmaceutical Societies of Great tain, Australia and New Zealand, in the United tes for the centenary of the American Pharma- tical Association, visit the Detroit laboratories of Parke, Davis & Co.



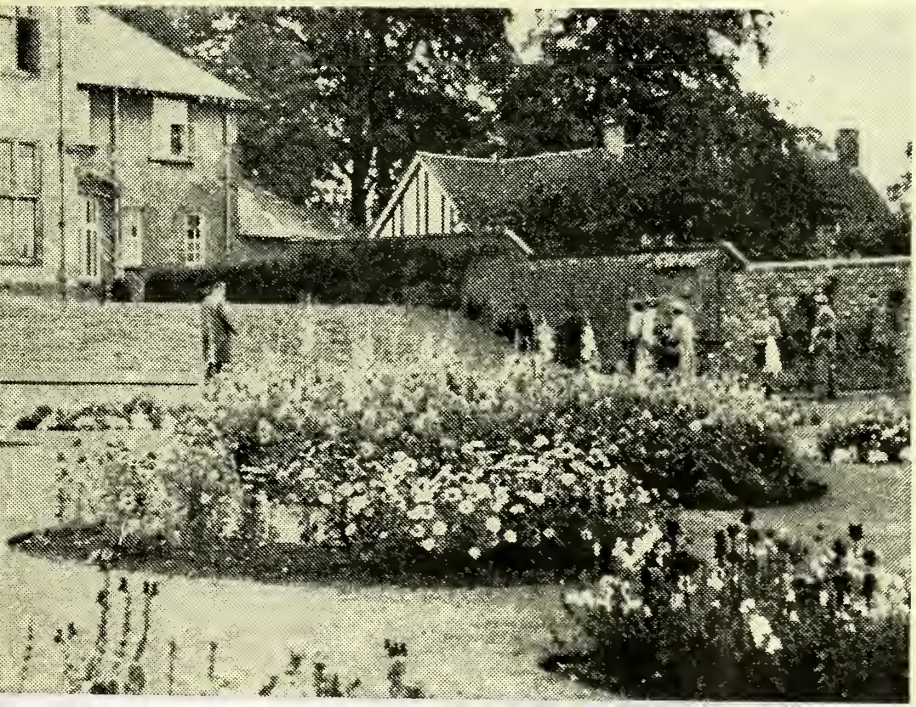
A new badge and ribbon of office for the North Devon Branch of the Pharmaceutical Society are ceremonially placed on the branch chairman by Mr. H. N. Linstead, O.B.E., Ph.C., M.P.



At left: The Pharmaceutical Society of Great Britain presents a clock to hang in the new Paris headquarters of the Pharmaceutical Society of France.

Mr. Horace Wright, M.P.S., Edgware, holds a one-man show in Bond Street, London, of his water colours. The one shown is "Stamford, Western Approach."





At left: British Pharmaceutical Conference members visit Birdsgrove House, the Society's convalescent home, on the all-day excursion [*Photo: Dr. H. Davis*]. Miss Pauline Cheel (right) was able to see in use the rug presented to Birdsgrove by her New Zealand colleagues. Miss Cheel, who was apprenticed in her home town, Wellington, qualified as a pharmacist in 1950. She is in Britain on a prolonged visit. She is leaving Britain for Australia, possibly in 1953, before returning home.



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INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

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CREPEX adhesive bandage

The CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859
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More to Pay in Local Rates

ALTHOUGH, as was predicted in the August 16 issue of THE CHEMIST AND DRUGGIST (p. 229) and confirmed by introduction of the New Valuation Lists (Postponement) Bill, the Government has abandoned any idea of completing by April 1953 the nation-wide reassessment of rateable properties in general, the work of reassessing business premises continues. New assessments are being entered in the current valuation lists, and payment of rates is, in fact, being demanded on the fresh values, many of which are much higher than the old ones.

Even apart from the reassessment of business premises, there is every indication that rates in general will rise in 1953, for it is now becoming clear that rate poundages (the amounts-in-the-£ payable by ratepayers as distinct from their rateable values) will be everywhere increased. Salaries of local government officials have, like other salaries, been increased, and that will help to swell the rate burden. Salary rises awarded to teachers will in some instances add to the rates an extra sixpence in the £. The expansion of the fire services, wage increases to firemen; increased rates of national insurance; dearer petrol; and many other costs will have to be met by ratepayers. There are also amounts which the various local authorities propose to spend on Coronation festivities. Even though those expenses may not be begrudged they will, for some authorities, mean an extra threepence on the rates.

A further charge is the increased cost of borrowing for capital schemes — and most Councils wish to carry out improvements. Last year £402 millions was advanced by the Public Works Loan Board, mostly for schools and houses. Many Councils have no alternative but to pay the increased loan charges for they are already committed to extensive improvement schemes. In any case, few authorities will decide to cease building dwellings and erecting schools because of the increased cost of the money they have to borrow.

There are still other factors which contribute to the incidence of heavier rates—de-rating, for example, which has deprived local authorities of a considerable portion of their rate income. The statement made by the Minister of Housing and Local Government that he is unable at present to undertake a re-examination of the question is, to many of them, a matter of considerable regret. Many local government authorities have, moreover, lost valuable sources of revenue by the nationalisation of gas, electricity and other former public utility undertakings, for the profits from them were used to subsidise local rates. In most cities and towns there are empty properties that cannot be let—the derelict cinema, the bombed building—each one no longer rate-producing.

In view of the Minister's decision to proceed with the reassessment of business premises in advance of dwellings and of other anomalies affecting the occupiers of shops, doubts arise whether the burden of rates will ever be equitably distributed.

Development Charges Go

THE vote taken in Parliament recently to abolish the "development charge" will cause little surprise. Always unpopular, the levy has had an adverse effect on building operations, since landowners have been disinclined to develop land when a substantial sum might be payable in return for permission to do so.

There were other flaws in the charge. The Central Land Board was the arbiter of the amount to be payable in any particular case, and there was no appeal from the Board's decision. Many sellers of land sought to realise practically the full de-

velopment value of the land from purchasers, leaving the latter to pay twice over for the development rights (to the seller on the one hand, and to the State, via the Central Land Board, on the other).

Persons who have already paid the charge will, unfortunately, not be able to get their money back, for as the White Paper explains "Where a tax is altered or rescinded, no question of repayment arises and although development charge is not strictly a tax, the same principle applies."

EXCLUSIVE DEALING INQUIRY

THE Board of Trade announced on December 19 that the Monopolies and Restrictive Practices Commission has been required, under section 15 of the Monopolies and Restrictive Practices (Inquiry and Control) Act, 1948, to submit a report on the general effect on the public interest of exclusive dealing and collective boycott.

Examples of arrangements to be investigated include:—

(1). Arrangements between a number of traders by virtue of which:—

(a) suppliers of goods confine the offer of supplies, or of "trade terms" or wholesale terms or other favourable prices or rates of discount or rebate, to particular classes of persons, whether such persons are described in general terms or listed by name;

(b) suppliers of goods withhold supplies, or trade terms or wholesale terms or other favourable prices or rates of discount or rebate, from particular classes of person, or from persons named in a "black list," "stop list," or other list;

(c) purchasers discriminate in similar ways in favour of, or against, certain suppliers or classes of supplier when placing their orders (including cases where suppliers and purchasers arrange to discriminate mutually in each other's favour);

(d) rebates are paid or received by reference to the aggregate of purchases from a number of suppliers.

(2). Arrangements similar to any of the foregoing but related to the processing of goods.

If in Doubt . . .

In case of doubt whether a particular arrangement is or is not covered by the terms of the requirement, those concerned are advised to put the facts to the Commission.

Types of arrangement not covered by the inquiry include agreements to which the only parties are a single buyer and a single seller (e.g., "sole agency" agreements); and agreements where the only parties are members of a partnership or members of a single group of "interconnected bodies corporate" (e.g., a parent company and its subsidiaries). Geographical market sharing is also outside the scope of the inquiry:

Any action to give effect to any recommendations from the Commission in the sense that the specified practices are contrary to the public interest would require new legislation.

The Monopolies and Restrictive Practices Commission, 3 Cornwall Terrace, London, N.W.1, invite persons and organisations affected to submit factual information and views on the subject.

[Action on the lines described was forecast recently by Mr. H. E. Chapman (chairman, Fair Prices Defence Committee).]

ECHOES OF THE PAST

AN INVETERATE ITCH

From "The London Chronicle," January 11, 1759

"A MATE of a merchant ship, who was pressed some time ago, made use of the following ingenious stratagem to evade being carried from the tender on board a man of war. The night before all the press'd men were to be removed, he scratched himself all over his legs, hands, and a great part of his body, so as to erase the skin, and even cause the blood to flow in many places. On the morrow, when the poor fellows were all called out of their confinement below, he took care to be the last; and just as they were going to put him over the vessel's side, he entreated the favour to speak but one word to the commanding officer; which being granted, he begged in the most piteous manner, that he would be pleased to order him aboard some ship where there was an extraordinary good surgeon; "for I have had the misfortune, Sir, (said he) to have a most inveterate itch, (shewing his hands, breast and legs) upon me these six months; and notwithstanding I have been under the care of several doctors, and been in two hospitals, I cannot obtain a cure; and I fear if I go to sea with it upon me, that, having only salt provisions, I shall lose my life." The officer, after viewing him with some attention, and cursing the gang for bringing such a scabby fellow on board, bid them turn him ashore, for he would not send him at all, lest he should infect the whole ship's company."

CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

Ethicals Shown to the Chemist

SIR,—With reference to "Bystander's" letter (*C. & D.*, December 13, p. 811), the main substance of which I approve, may I point out that his last two lines are somewhat misleading, since the figures shown by the organisers indicate a consistently good attendance at the Chemists' Exhibition over a number of years. If there be a reason for the regrettable absence of some of the "ethicals" it is more likely to be found in your editorial headed "Ethicals and the Chemist" (p. 810). ONLOOKER.

SIR,—I am afraid "Bystander" (*C. & D.*, December 13, p. 811) has his "facts" about the Medical Exhibition a little incorrect. I admit I did spend an afternoon there, but by courtesy of one of the organisers (after I had put the case of the retailer before him) and not by a leakage of tickets, as suggested. If other retail pharmacists obtained admission through leakage, then surely they are as interested as I am to acquaint themselves fully with the products the medical profession are being shown. My impressions of the Chemists' Exhibitions are that the attendance there has always been quite good, but of late years there has been little there of any interest to a pharmacist who tries to run his business on anything like ethical lines. It must also be remembered that, during the past years, particularly since the inception of the National Health Service, "ethical" products have passed through retail pharmacists' hands to a much larger extent than before.

London, S.W.19. THOMAS JAMES.

Sale by Volume and in Metric System

SIR,—Mr. Gordon Smith, in his letter to you, has omitted entirely to make it clear that the proposal to introduce volume and metric selling is in no way obligatory upon manufacturers and wholesalers and that the division of opinion amongst them is so great that it is doubtful what degree of adoption will result on the target date, or at any time thereafter. A Board of Trade spokesman has already entered a caveat against the adoption of the metric system in trade matters. Why not adopt volume and leave metric until the position is clearer?

MORE HASTE, LESS SPEED.

Goodwill and Co-operation

SIR,—As the season of "goodwill to all men" is with us, it may not be out of place to put on record the goodwill and co-operation that exists in Nottingham between members of the craft. Local meetings are well attended by pharmacists representing wholesale and retail, by hospital pharmacists, managers and staffs of all multiples and "co-ops" and a goodly sprinkling of students from our university. This augurs well for the future of pharmacy and the building of that ethical standing which we all look forward to as the practice of pharmacy attains its professional status.

Chilwell, Notts. R. G. DAVIES-JOHNS.

Loyal Workers Seek Security

SIR,—Contradictory statements by prominent members of the Pharmaceutical Society should arouse grave concern amongst all "unregistered dispensers." Mr. W. J. Tristram (president) in an address states "the certificate will be almost essential to obtaining new employment." Mr. H. T. Thomas (chairman, Scottish Executive) in reply to a question, said that "pharmacists will be free to employ registered or unregistered unqualifieds." Which statement are we bewildered "unqualifieds" to accept, or have the Council not yet formulated a positive policy? In fairness to this large body of loyal workers it is hoped that, before any irrevocable decision is reached, the people most affected, viz., the "unqualifieds," will have the opportunity of presenting their own views on this highly controversial subject.

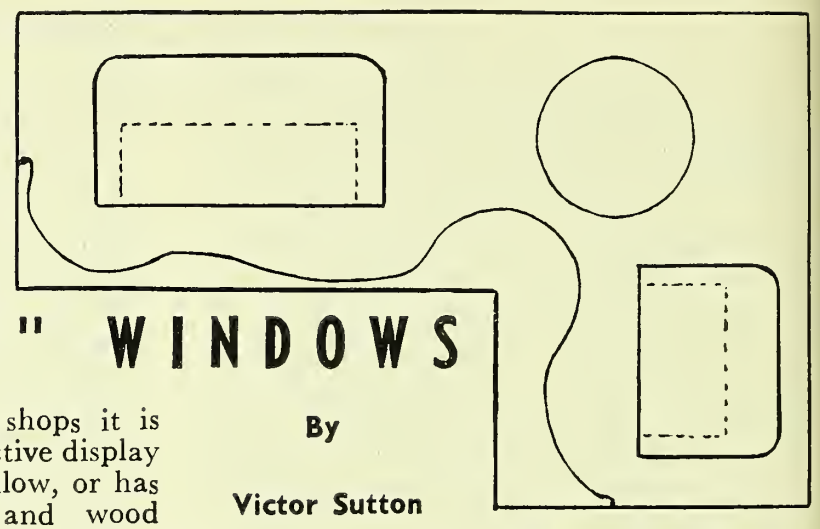
Birmingham. L. L. JAMES.

Election Candidate's Thanks

SIR,—May I take the opportunity of thanking all those members who voted for me in the recent P.A.T.A. Council election and by doing so contributed to such a splendid victory. I am deeply appreciative of the wonderful co-operation and support I have enjoyed, and trust I may be worthy of the confidence now placed in me. May I also express my gratitude to the officers and members of the Portsmouth Chemists' Association, who not only voted funds to conduct the campaign, but who worked unstintingly on my behalf.

Portsmouth. J. C. BLOOMFIELD.

DISPLAYS IN "DIFFICULT" WINDOWS



Corrugated card provides an interesting background to an awkward corner window. (Sketch No. 1).

By

Victor Sutton

IN many older-style chemist shops it is difficult to make a really attractive display because the window is very shallow, or has a high, dark-panelled glass and wood background as high as 8 ft. To deal first with the background, there are two good ways to get over this. One is to use 3 in. pleating in good-class crêpe paper. A range of thirty-three shades is available to choose from. They provide harmonising backgrounds and, crushed, are ideal for packing a floor window. Drawing pins used can be covered with a "tube" trimming of about 1 in. A good pair of long shears is needed; so is a handy plumb-line (any weight on a light string) and strong drawing pins. The "cheap" kind of drawing pins are a false economy. Pressing hard with the thumb is apt to cause the head to break, with perhaps a bad thumbtip that may need medical attention. The solid brass ones last indefinitely and therefore are not dear in the long run.

Choosing a Colour

Goods for display in the pharmacy being on the whole light and not too elaborate in design, they would look well against backgrounds of apricot, canary, dark amber, fuchsia (for a show that includes silver wrappings), crocus, peacock, Wedgwood blue, celestial blue, Nile green, blush pink (for a display of nursery lines) or coral. As the lower part of window is partly covered with the displays then I suggest it may be lined with ordinary panels of crêpe paper and the folded version could come halfway.

For a special show week or display competition dull and worn window floors can be dealt with easily and tastefully, by taking a fold of crêpe and cutting it across to give three pieces instead of one fold. Force one of these down a broom-handle so that it presses firmly for a few minutes against the head. When taken off it has an attractive "wave," is soft, and makes up like a fabric to cover display stand legs and or provide a groundwork for setting-off goods placed at interesting angles.

Against this background hanging items or sales material can be well displayed. Criss-cross strips, alternating lines, and too assertive showcards should be avoided. Customers have been known to look at glamorous showcards and fail to see the goods. A second method of covering window backs needs a little more depth but gives an artistic and most simply achieved effect because it merely stands in the background. The method is to use corrugated display cardboard, which is available in shades of sky blue, harvest yellow, willow green amongst others. It is light in texture, tastefully marbled in design, and 72 in. wide. It is therefore ideal for the "special" window that is to include numerous sales aids.

Attractive Curves

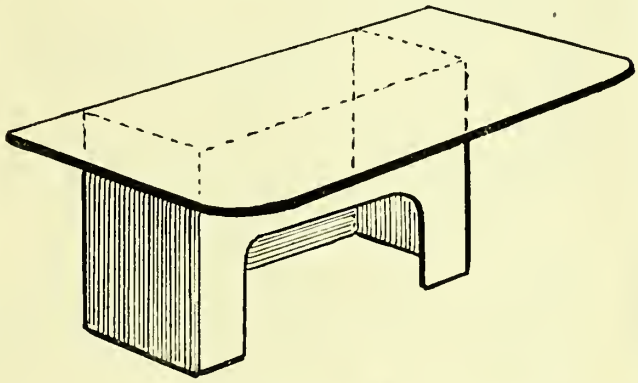
Unfortunately, the corrugated display card comes in rolls of 36 ft., but it may be used in large sweeps or cut in strips to edge shelves or fit round display stands. Sketch No. 1 shows its use in a difficult-



An arrangement of stands for a long, shallow window. (Sketch No. 2).

shaped corner window. With the material in a well-defined curve this type of window can be made most attractive, despite its disadvantageous shape.

In front of the background a stand made up with hardboard, as shown in sketch 3, sets off the goods very well. The top is made larger than the stand itself so that a good display may be made both on top and below without being blotted out. The centre of the window can be occupied by a circular stand, or a series, graduating to the top, may be adopted. The stand for the longer "leg" of the window can be made oblong to reduce the awkward aspect from the outside. It will accommodate quite a range of neatly set out items.



A stand with advantages in showing small goods both above and below. (Sketch No. 3.)

Stands of this kind are hard to come by as standard fitments, but given a sketch a builder will usually be glad to make them for they provide work for his men on days when outdoor tasks have to be set aside. Keeping in with a small builder is more than useful, because be can often find short lengths of wood to save cost.

Sketch No. 2 shows the long, shallow and tall window of the country shop with the door in the centre. The author recently designed a set of stands for the proprietor of one such pharmacy. The sketch gives a rough idea of a style that can be followed by any retailer faced with the difficulty. Quite as much merchandise may be shown as with the now antiquated shelves, which perhaps were never a success because they were too high, had awkward angle brackets, or collected dust on shelves of glass too heavy to risk frequent removal.

So often the tall window dwarfs even the best display. A new, brighter paper pelmet helps to solve the problem. Even with two windows a fresh pelmet costs less than 15s. Pelmets are now offered in various designs of pleasing colouring, or as panels and sections to one's own shape and measurements by manufacturers such as Messrs. Sanderson, who have produced a special book on the subject. Incidentally, the display may be toned to match.

A further idea that costs little to carry out and reduces the stark depth of the tall window is the use of crêpe-paper fringe. It is easy to make and a two-colour scheme such as primrose/crocus or emerald green/nile green can soon make the window attractive from the top downwards. It may be changed every few weeks at little expense. In planning the narrow window one should take the blind into account and avoid placing displays that will get in its way. It is disconcerting to see the blind down at a week-end but tilted up across the window because it has come down on some small displayed item. In planning any scheme, it is as well to build up in the centre to about 4 ft. 6 in. for the main attraction.

RETAILING IN THE U.S.A.

MEMBERS of the Anglo-American Productivity team on retailing (*C. & D.*, November 8, p. 641) addressed a meeting in London recently. MISS EVELYN GIBBS said that working hours in America were usually forty per week, but opening hours were often much greater, staffing difficulties being overcome by using part-timers on shift systems. MR. T. W. CYNOG JONES (Union of Shop, Distributive and Allied Workers) said that retail trade unions in the United States were more robust than in Britain. There was no wages council, nor any national agreements. Wage rates were adjusted to experience and not to age. In non-food establishments there were usually two rates, one for the first six months of employment and the other for the remainder. MR. M. D. H. Ross said that, for the small man, the best method of buying was as one of a group. In America it was possible for profit margins and expense ratios to be compared between competitors; there ought to be more of such co-operation in Britain he said.

Raising the Status.—". . . the term consulting room is greatly to be preferred. . . . If we wish to raise the status of the [medical] profession the word 'surgery' ought certainly to be dropped. It is, in our opinion at least, a most derogatory as well as an objectionable term." (*From an editorial in the "Medical Review."*)

MICROBIOLOGICAL TECHNIQUES—VII

By Edward Gurr, F.L.S., F.R.I.C., F.R.M.S.

Continued from THE CHEMIST AND DRUGGIST, *December* 6, *p.* 785

THE procedures outlined below can be readily followed in the laboratory without reference to other sources.

STAINING OF INFECTED PLANT TISSUES

Solutions required:

(a) Carbol thionin (Michrome).
(b) Orange G, 0.28 per cent in absolute alcohol.

Technique:

1. Fix paraffin sections to slides, dewax. Pass through descending grades of alcohol down to distilled water. Alternatively freehand sections may be employed.
2. Stain paraffin section for one hour or freehand sections for five minutes, in (a).
3. Pour off excess stain.
4. Rinse with 70 per cent., then with 90 per cent. alcohol.
5. Rinse quickly in two changes of absolute alcohol.
6. Differentiate for half to one minute in (b).
7. Rinse with 90 per cent., then with 70 per cent. alcohol.
8. Rinse thoroughly with distilled water.
9. Rinse with 70 per cent., then with 90 per cent. alcohol.
10. Wash quickly with two changes of absolute alcohol.
11. Wash with two changes of xylol.
12. Mount in Cristalite or in canada balsam in xylol.

Results: Parasites are conspicuously stained violet-purple with purple nuclei. Cell walls are unstained. If stages 7, 8 and 9 are omitted the results will be:—Parasites not so conspicuously stained violet-purple, with deep purple nuclei. Cellulose walls, yellow to green. Lignified tissue, blue. Tissue nuclei, pale blue with purple nucleoli. Chromosomes, deep blue on a purple spindle.

STAINING OF TREPONEMA PALLIDUM AND OTHER SPIROCHÆTES

Solutions required:

(a) Potassium permanganate 5 per cent. aqueous.
(b) Carbol Fuchsin (Ziehl Neelsen), 5 mils.
Distilled water, 45 mils.

Technique:

1. Fix air-dried smears in pure methyl alcohol for five minutes.
2. Immerse for three minutes in the potassium permanganate solution.
3. Wash with distilled water.
4. Stain with (b) for two minutes.
5. Rinse with distilled water.
6. Drain and dry thoroughly but carefully.
7. If it is desired to preserve the preparation, mount at once in Cristalite.

Results: Treponema pallidum, light reddish brown. Mouth spirochætes and *Treponema refringens,* deep reddish brown.

STAINING OF BACTERIAL CAPSULES

Solutions required:

(a) Crystal violet 0.5 per cent. aqueous.
(b) Copper sulphate crystals, 5 gm.
Distilled water, 25 mils.

Technique:

1. Air-dried bacterial smears are stained for three to five minutes in (a).
2. Rinse well in (b).
3. Blot dry and examine under the oil immersion objective.

Results: Capsules, light blue. Bacterial cells, dark blue.

STAINING OF BASAL BODIES OF CILIA

Solutions required:

(a) Haematoxylin (Ehrlich).
(b) Eosin 1 per cent. aqueous.
(c) Carbol gentian voilet.
(d) Lugol's iodine.
(e) Aniline oil, 10 mils.
Xylol, 20 mils.

Technique:

1. Stain for two minutes in (a).
2. Blue and rinse in tap water or in saturated aqueous lithium carbonate solution; stain ½ minute in (b).
3. Stain for two hours in (c).
4. Wash well in water.
5. Stain in (d) for ten to fifteen minutes.
6. Wash well with tap water.
7. Drain and blot dry.
8. Differentiate with (e).
9. Wash in several changes of xylol; then mount in canada balsam in xylol.

Results: Nuclei are stained dark blue while basal bodies are purple.

STAINING OF ENTAMOEBA

Solutions required:

(a) Mercuric chloride, saturated, aqueous, 20 mils.
Absolute alcohol, 10 mils.
(b) Iodine 1 per cent in 70 per cent. alcohol.
(c) Phosphotungstic haematoxylin (Mallory).

Technique:

1. Thin smears, on scrupulously clean slides, are fixed while still moist, in (a) for fifteen minutes.
2. Rinse with and immerse in water for a few seconds.
3. Immerse in (b) for three minutes.
4. Wash thoroughly with water until the colour of the iodine is no longer visible to the naked eye.
5. Stain for half an hour in (c).
6. Rinse in water.
7. Rinse in 95 per cent. alcohol.
8. Dehydrate with absolute alcohol.
9. Clear in xylol and mount.

Results: Nuclei are stained deep blue while cytoplasm is pale blue.

DIFFERENTIATION OF SPORES AND VEGATIVE FORMS IN BACTERIAL SMEARS

Solutions required:

(a) Lugol's iodine, 40 mils.
Eosin, yellowish, aqueous, 2 gm.
Phenol, crystals, 2 gm.
(b) Methylene blue 1 per cent. aqueous, 10 mils.
Absolute alcohol, 5 mils.
Distilled water, 85 mils.

Technique:

1. Fix smears by flaming in the usual manner.
2. Place slide, smear upwards, on the corner of a tripod.
3. Flood slide with (a) solution and heat the underside of the slide gently with a small bunsen flame for five minutes so that the liquid begins to boil. Remove the flame momentarily and add it again the instant the liquid ceases to boil. Repeat this process three times.
4. Pour off excess stain, allow the slide to cool somewhat, plunge it quickly into distilled water.
5. Stain for two minutes in (b) solution.
6. Rinse in distilled water.
7. Drain, blot dry and examine under the oil immersion objective.

Results: Spores, deep pink. Vegative forms, blue.

DEMONSTRATION OF FLAGELLA AND CAPSULES IN BACTERIAL SMEARS

Solutions required:

(a) Potash alum, saturated aqueous, 20 mils.
Tannic acid aqueous 10 per cent., 20 mils.
Methylene blue, saturated in absolute alcohol, 5 mils.
Note: This solution deteriorates in about a week to ten days.

(b) Carbol fuchsin (Ziehl Neelsen), 5 mils.
Distilled water, 45 mils.

Technique:

1. Spread a minute speck of the culture into a thin smear on a scrupulously clean slide.
2. Allow the smear to dry in the atmosphere, fix by flaming.
3. Stain with (a) for ten minutes at about 40°C.
4. Pour off excess stain and rinse the preparation with distilled water.
5. Counterstain for about five minutes with (b).
6. Pour off excess stain, rinse in distilled water.
7. Blot dry and examine under the oil immersion objective.

Results: Flagella, blue. Capsules, red.

DIFFERENTIATION OF FRESH HAEMORRHAGE FROM OLD IN BLOOD FROM THE SPINAL FLUID

Solutions required:

Sudan 3, saturated in 70 per cent. alcohol.

Technique:

1. Smears of the spinal fluid are made on scrupulously clean slides and allowed to dry thoroughly in the atmosphere for about half an hour, protected from dust.
2. Immerse in the sudan 3 solution, without fixing, for five to fifteen minutes in a stoppered or corked staining jar.
3. Rinse well with distilled water, immerse for one minute in each of four changes of distilled water.
4. Drain off excess water, blot and dry.

Results:

Erythrocytes from fresh hæmorrhage are stained orange; while those from hæmorrhage over a day old are unstained.

MEDICAL ABSTRACTS

Cyclopropane Anæsthesia. — A report based on 1,000 administrations (606 for dentistry and 394 for other minor surgery) of cyclopropane to out-patients is presented by Bourne ("Lancet," 1952.**II.**705-08). Induction was the same for all patients—1,500 mils of the anæsthetic per minute with an equal flow of oxygen. It was found that about 2 litres of each gas was sufficient for narcosis for most children and some adults. Dosage was regulated by duration (not rate) of flow. In all patients consciousness was lost in from three to six breaths. Twenty-one per cent. of the patients vomited after reflexes had recovered so that there was no danger from the vomiting. Nausea occurred in a further 12 per cent. of patients. Of patients with experience of nitrous oxide anæsthesia, 146 were (mostly strongly) in favour of cyclopropane, while 25 preferred nitrous oxide (because of the nausea associated with cyclopropane). A number of the cyclopropane-favouring patients had also vomited. The author concludes that with cyclopropane "at its worst," operating conditions equalled those of nitrous oxide "at its best"; bleeding was less with cyclopropane than with nitrous oxide; and that administration of cyclopropane was easier than that of nitrous oxide. It is pointed out that cyclopropane is explosive and that an equal or greater flow of oxygen must always accompany its flow.

Poliomyelitis Prophylactic Investigation.—Hammon and others ("Journal of the American Medical Association," 1952. **150.**739-60) give the results of three controlled trials on children aged one to eleven years to evaluate Red Cross gamma globulin (originally prepared for measles prophylaxis) as a preventive agent against poliomyelitis. Simple injections of 4, 7 or 11 mils were administered to children in the weight groups; up to 34 lb., 35-61 lb., or 62 lb. and over, respectively. Gelatin solution was administered as a control to half of the number of children, and those responsible for administration of the injections did not know which preparation was being given. A pilot study carried out in Utah during an epidemic in 1951 involved 5,767 children gave inconclusive results as the number of cases of poliomyelitis occurring amongst those taking part was too small. Two further trials were carried out in 1952, and involved 33,137 Texas children, and 15,686 children in Iowa and Nebraska during epidemics. A total of ninety cases of poliomyelitis were diagnosed out of those taking part in the trials. Of those sixty-four had received gelatin, the rest, gamma globulin. The authors state that that result is statistically significant and the view that gamma globulin affords protection against the disease is justified. There was also evidence that the active preparation modified the severity of the disease when it did not prevent it.

N.H.S. STATISTICS

In LANCASHIRE in the year ended March 31, 1952, 94.7 per cent. of test prescriptions were found to have been dispensed accurately, or not to warrant action.

In ENGLAND during November 1951, according to Joint Pricing Committee figures the number of prescriptions issued was 17,670,773 (11,070,744 forms). The total cost of ingredients, fees, and containers during the month was £3,374,261.

BRANCH AND ASSOCIATION MEETINGS

Dundee Film Evening.—At a meeting of the Dundee and Eastern Scottish Branch of the Pharmaceutical Society on November 20 more than fifty members and their friends saw films entitled "Industrial Dermatitis" and "The Birth of a Drug." Later it was unanimously decided to approach the local Executive Council for permission to go ahead with a rota scheme.

Portsmouth Branch.—The annual dinner and dance of the Portsmouth Branch of the Pharmaceutical Society was held in Southsea on December 3. The chief guest was Mr. T. Heseltine (vice-president of the Society) who was accompanied by Mrs. Heseltine. The toast, "The Pharmaceutical Society" was proposed by Councillor L. J. Evans. Mr. Heseltine, in reply, thanked the Branch for its contributions to the Benevolent Fund. The visitors who were welcomed by the chairman (Mr. A. W. Dempsey) included Dr. H. E. Suter (president, Portsmouth Division, British Medical Association), Mr. W. C. King (chairman, Portsmouth section, British Dental Association), Dr. T. E. Roberts (local medical officer of health), Messrs. A. L. Williams (Portsmouth public analyst), L. B. Benny (head of Portsmouth Municipal College), and the chairmen and members of the Bournemouth and Southampton Branches. Dr. Suter replied.

A Council Member on the Code. — At a meeting of the North-east Lancashire Branch of the Pharmaceutical Society held in Blackburn on November 18, Mr. H. Steinman (a member of Council) spoke on the draft revised statement on matters of professional conduct. He urged careful consideration of the code and invited the Branch to send in its views on it to the Council. Pharmacy had maintained a good standard, he said, but a code bearing some relation to practical requirements was a necessity. He himself would like one that was applicable to all sections of pharmacy, not merely to retail. Mr. Steinman regretted that the business of a pharmacy had never been clearly defined. Was a cosmetic display conducive to "pharmaceutical appearance"? How far could an ethical display be carried before it became an advertisement of dispensing services? To Mr. L. Mossop he said that the Council would not agree to enforcement of the code being inflicted on the "little man" without its equal application to the larger interests in pharmacy.

Advances in Therapeutics.—At a meeting of the Epsom and Sutton Branch of the Pharmaceutical Society held in Epsom on November 13, Dr. G. R. Boyes, speaking on "Some Current Advances in Therapeutics," discussed the impact of synthetic organic chemistry and microbiology on pharmaceutical practice. That had been due to a tendency to study the chemical structure of vegetable drug constituents and to produce the latter synthetically. Each new product (particularly if an antibiotic) made new problems for doctors, patients, manufacturers and pharmacists, and only by the close co-operation of those people could the use of such new products become possible. Two of the greatest problems were drug sentitisation and bacterial resistance. It was a strange fact that if a micro-organism became resistant to an antibiotic it would remain resistant all its life even after infection into another host. Even if the antibiotics were "wonder drugs," their use demanded continual study of all reactions.

Portsmouth Association. — The annual meeting of the Portsmouth Chemists' Association was held in Portsmouth on November 25. There was a good attendance. Messrs. E. Thorpe (head of the department of pharmacy and physiology, Portsmouth Municipal College), N. Francis (senior pharmacy lecturer at the college), Councillor L. J. Evans and Mr. A. R. Goddard (Clerk to the local Executive Council) were present as guests. An informal dinner preceded the meeting. The following officers were elected for 1952-53: —*President,* Mr. N. Banks; *Vice-president,* Mr. M. A. Guernier; *Secretary,* Mr. J. C. Bloomfield. 185 Fratton Road, Portsmouth; and *Treasurer,* Mr. A. L. Harris. Two resolutions proposed by Mr. Bloomfield were carried unanimously. One, seconded by Mr. M. L. Gregory, urged all members of the Association not to buy from manufacturers sponsoring a free gift scheme for the duration of the scheme, and called on other pharmaceutical organisations to support the resolution. The other, seconded by Mr. S. Isherwood, urged members not to buy from manufacturers marketing products stated to be "chemists' only" but not included in the Chemists Federation list, and similarly appealed to other pharmaceutical organisations. The secretary urged all present to vote in the Proprietary Articles Trade Association election.

THE MARKETS IN 1952

THE year 1952 will be remembered as the period in which many commodity prices began to fall for the first time since 1939. PHARMACEUTICAL and FINE CHEMICALS and a substantial number of CRUDE DRUGS had provided firm markets up to the beginning of the year. For some time before that ESSENTIAL OILS had shown a downward tendency, but they received a fillip when the open general licence to import them from countries outside the Commonwealth was revoked in November 1951. That improvement was short-lived, and in the early months of the year the prices of the oils affected again showed a general decline.

The dullness that descended on all markets was attributed to (1) over-stocking in the previous years, when prices were constantly climbing; and (2) uncertainty among buyers about future trends, causing them to buy on a hand-to-mouth basis. It was hoped (feared by sellers) that prices, once they fell, would continue to fall. That, in fact, is the position that obtains today.

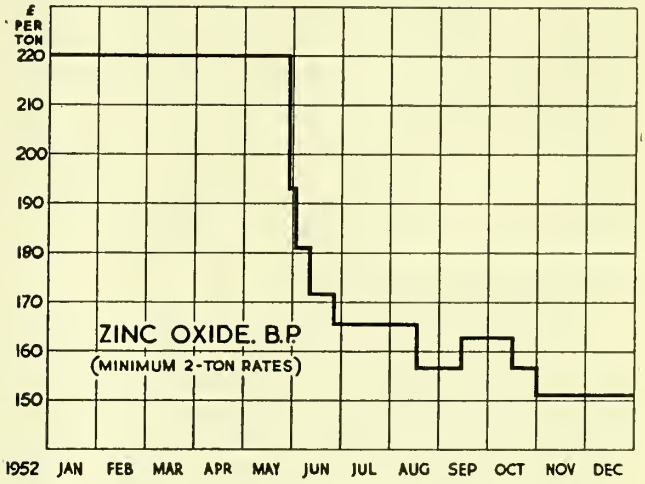
It is quite clear also that the bank rates of interest, coupled with general restrictions on credit, helped to curb buying activities.

Pharmaceutical Chemicals

Competition from European suppliers in a number of PHARMACEUTICALS grew during the year with the result that the prices of several commodities ended the year about 50 per cent. below those ruling a year ago. THEOBROMINE ALKALOID fell from 57s. 6d. per lb. to 25s., and CAFFEINE ALKALOID from 50s. by six stages to 22s. THEOPHYLLINE and its derivatives were similarly affected, but perhaps the most spectacular fall was provided by the newcomer ISONIAZID. Following American reports on its use in treating tuberculosis, several firms in this country set about manufacturing it, and a few to do their own research in order to obtain confirmation of the American claims. In the spring isoniazid cost about £50 per kilo, but within six months imported material was being sold at £16, including Key Industry Duty. EPHEDRINE and its SALTS were reduced in February, and the HYDROCHLORIDE again in May and October to meet foreign competition. Fixed schedules for that and a number of other chemicals were abandoned by British manufacturers during the year as the competition increased.

From Want to Plenty

Many commodities which during last year's peak trading were severely rationed became freely available during 1952. Conspicuous among them were the BISMUTH SALTS, CITRATES and ZINC OXIDE. There



was enough sulphur for all needs, and production of SULPHURIC ACID during the third quarter of the year was at the rate of 62.2 per cent. of capacity production, reflecting lower activity in many consuming industries. Plans went ahead for the erection of plants to produce the acid from pyrites and native anhydrite. By the end of the year new capacity capable of producing 227,000 tons of acid was expected to be working, with a probable increase to 460,000 tons in 1953. A plant for recovering an additional 17,000 tons of by-product sulphur was an added help.

Production of ANTIBIOTICS increased, and in April, PENICILLIN and STREPTOMYCIN prices were reduced. Production also increased abroad, so that British exporters had to face keener competition in overseas markets. With a surplus of PENICILLIN production it was not surprising to find that manufacturers turned their attention to other likely outlets for its use. Research was carried out to find the effect of feeding antibiotics to poultry and pigs and it seems likely that, during 1953, legislation will be made permitting its use in that field. BROMIDES were reduced in January, March and November. Prices of domestic TARTARIC ACID and CREAM OF TARTAR were cut as imported materials from Spain and Italy came to be offered on the home market. In six movements the acid was reduced by an aggregate of £4 per cwt. over the year. In November, OPIATES were substantially reduced, providing the first break

in price for those drugs since the upward trend began. Most METALS (COPPER excepted) were weak; ZINC, BISMUTH and LEAD declined appreciably. During July, MERCURY was reduced by £8 per flask, but in November Spain unexpectedly increased the export price by approximately £6. The increase was stated to be due to a well sold position, the United States having bought very heavily. An important event for manufacturers took place in September, when METHYLATED SPIRIT and INDUSTRIAL ALCOHOL were reduced in anticipation of a fall in world prices of molasses. ACETIC ACID was also reduced in September and again in December.

Some Chemicals Dearer

Though the emphasis has so far been on price falls, it must be recorded that many commodities have changed little, and some not at all throughout the year. A few are actually higher now than in January. GLYCERIN was in tight supply at the beginning of the year, and prices were raised by £6 per ton. That price still obtains, but the supply situation eased considerably during the summer and the cuts previously made to manufacturers' supplies were restored.

Crude Drugs

Business in most CRUDE DRUGS was exceedingly quiet. It was at first thought that, after the Budget—which this year was presented one month earlier than usual—trading would recover. That did not happen however. September, the usual time for recommencing activities, brought no change, and it was well into October before any perceptible interest was shown by buyers. Many botanicals are now considerably lower in price than a year ago. Others, particularly those imported from dollar areas, have remained remarkably steady, largely on account of poor crops in America.

Good crops of ERGOT were harvested in Portugal and Spain. Prices, which reached a peak in 1951, had already begun to fall before January. Nevertheless the shipment price at that time stood at around 45s. per lb., c.i.f. As new-crop offers became known it was obvious that there would be a big fall in that market, which was, as always, very sensitive to inquiries, the slightest sign of interest shown by any country being often enough to push up shipment offers by several shillings. The closing months of the year have seen the price fairly steady at around 15s., but business was done in September at considerably below that figure. MENTHOL lacked interest, and an excess of Brazilian menthol forced down the more acceptable Chinese material, though not to the same level. SPICES were a particularly dull market, and price falls were considerable. African GINGER fell from 235s. to 95s. per cwt. and Jamaican No. 3, from 450s. to 120s. Zanzibar CLOVES, on the other hand, rose almost week by week from 5s. per lb. to 11s. 9d., and only during the closing weeks of the year, as new-crop material was expected to arrive, did that price weaken. Tinnevelly SENNA LEAVES. and more especially PODS, were generally firm. During July, the prices of pods advanced sharply following reports from origin that the crop was not as good as had been forecast. All grades of SHELLAC were in smaller demand than in the previous year; the F.O.T.N. grade, which in January was at 340s. per cwt. stood at 167s. 6d. in December.

Essential Oils

From countries other than scheduled territories, all ESSENTIAL OILS required import licences. The Board of Trade allotted a quota of £1.5 millions for the second half of the year, and £2 millions for the period November 1951 to June 30, 1952. Imports of essential oils during the first ten months of the year, from all territories, were valued at £3 millions. Business was difficult, and holders had often to cut their losses to turnover stocks. Oils from China, such as ANISE and PEPPERMINT, did not suffer to the same extent as those from other producing areas. Ceylon CITRONELLA fell from 7s. 9d. to 3s. 6d. per lb., but ANISE, at 7s. 9d., was down by only 2s. Carry-forward stocks from previous seasons were given as the reason for the fall in prices of EUCALYPTUS. At the beginning of the year the oil had been firm at 9s. per lb. but by December it was difficult to sell at 5s., though it was realised that replacement could not be made at that figure once existing stocks were cleared.

Supplies of OLIVE OIL have been restricted by import licences, but there has been little demand and prices have remained fairly steady. News from the producing countries show that this year's crop was well below average, but here again carry-forward stocks held by Spain are high (estimated at 250,000 tons), and that has had a steading influence on the price.

Opening and Closing Prices

Commodity	January	December
	s. d.	s. d.
Aloes, Cape, per cwt. ...	220 0	157 6
Aspirin, per lb.	4 10	4 9
Atropine sulphate, per oz.	47 9	47 9
Balsam of Peru, per lb., duty paid	18 9	11 6
Benzoin, Sumatra, per cwt.	550 0	510 0
Bismuth carbonate, per lb.	34 4	24 5
Boric acid, powder, per ton	1,710 0	1,710 0
Buchu, per lb.	2 1	2 0
Caffeine citrate, per lb.	29 0	15 0
Calcium lactate, per lb.	3 0½	2 10½
Camphor, B.P., duty paid, per lb.	5 3	3 5
Cardamoms, Aleppy, per lb.	24 6	15 0
Cascara sagrada, current crop, per cwt. ...	330 0	310 0
Citric acid, per cwt. ...	218 0	213 0
Citronella oil, Ceylon, per lb.	7 9	3 6
Cloves, Zanzibar, per lb.	5 0	11 3
Cochineal, black, per lb.	8 2	9 0
Codeine phosphate, per oz.	45 6	41 4
Ergot, Portuguese, per lb. (c.i.f.)	45 0	14 6
Gentian, French, per cwt.	122 6	110 0
Ginger, per cwt.:		
African	235 0	05 0
Jamaican, No. 3 ...	450 0	120 0
Gum acacia, per cwt. ...	122 6	95 0
Ipecacuanha, per lb.:		
Colombian	59 0	41 0
Nicaraguan	63 0	44 0
Liquorice root, Anotalian natural, per cwt. ...	52 6	55 0
Mace, W.I. blade, per lb.	9 3	8 0
Menthol, per lb., duty paid:		
Chinese	70 0	58 6
Brazilian	78 0	44 0
Mercury, per flask ...	1,565 0	1,420 0
Methylated spirit, industrial, 61 o.p., per gall.	8 3	6 9½
Olive oil, per gall. ...	35 6	23 0
Peppermint oil, per lb. (c.i.f.):		
Brazilian	27 0	16 0
Chinese	35 0	35 6
Potassium bromide, per lb.	3 5	2 8
Rhubarb, Chinese, per lb., duty paid	9 6	7 6
Sarsaparilla, Jamaican, per lb.	2 7½	2 5
Seeds: per cwt.:		
Anise, d.p.	160 0	147 6
Caraway, d.p. ...	122 6	92 6
Coriander, Morocco, duty paid	05 0	37 6
Dill, Indian	85 0	80 0
Senega, per lb.	16 6	14 6
Shellac, F.O.T.N., pure, per cwt....	340 0	167 6
Sodium citrate, per lb. ...	3 6½	3 6½
Tartaric acid, per cwt.	315 0	235 0
Theobromine, alkaloid, per lb.	51 6	25 0
Thymol, per lb.	31 6	21 0
Tragacanth, selected ribbon, per cwt.	3,300 0	2,600 0
Waxes: per cwt.:		
Bees'. Dar-es-Salaam	560 0	425 0
Carnauba, p.y. ...	1,075 0	1,220 0
Zinc oxide, B.P., per cwt.	220 0	151 0

TRADE REPORT

LONDON, DECEMBER 23

ON the approach of the Christmas holiday and the end of the year business operations are, as usual, almost at a standstill and further activity is unlikely until after the New Year. Prices were without substantial change over the week in all markets. FENNEL and FENUGREEK SEEDS are firmer —fennel due to short supplies and fenugreek to Italy's continued buying and to New York's showing more interest. CLOVES on the spot are again easier by threepence per lb.

The General Produce Brokers' Association of London has advised its members that January 1, 1953, is to be regarded as a non-business day. Other associations with headquarters around Mincing Lane are expected to adopt a similar policy. The Sulphur Committee of the International Materials Conference in Washington has announced the allocation plan of crude sulphur for the first quarter of 1953. The allocation to the United Kingdom is 83,000 long tons of which the import quota is 48,500 tons.

In the United States PHENOL was reduced by 1¼ cents per lb. Brazilian MENTHOL went down by 5 cents to $5.05 per lb. ESSENTIAL OILS priced lower included BOIS DE ROSE, Dalmatian SAGE, BERGAMOT and Ceylon CITRONELLA.

NEW COMPANIES

JOHN POULTEN, LTD. (P.C.). — Capital £1,000. To carry on the business of manufacturers of and dealers in glassware for surgical, medical and other scientific purposes, etc. John H. Poulten, 133 Springfield Gardens, Upminster, director.

LINTHORP TRUSS MANUFACTURING CO., LTD. (P.C.).—Capital £1,500. To carry on the business of manufacturers of and dealers in surgical belts. Leonard R. Thorp, and Charles K. Lindsey, Linwood, Forders Lane, Burgess Hill, directors.

KAPUTINE, LTD. (P.C.). — Capital £15,000. To carry on the business of manufacturing chemists for the production and sale of medicinal specialities, etc. Francis F. Farage and Ernest M. Garnett, directors. R.O.: Gem Works, Fields New Road, Chadderton, nr. Oldham.

B. & R. SPONGE CO., LTD. (P.C.).— Capital £1,000. To carry on the business of agents for the importation, exportation, of sponges and other merchandise, etc. Thos. W. Rossiter and Christine M. Rossiter, directors. R.O.: 27 West Town Lane, Brislington, Bristol, 4.

TRADE MARKS

From the "Trade Marks Journal," December 10

For chemical products used in the manufacture of perfumes, perfumery products, soaps and cosmetics (1)

DIANTHINE, 700,295, by Firmenich & Cie, Geneva, Switzerland.

For agricultural and horticultural chemicals (1)

FUSAREX, 709,324, by Bayer Agriculture, Ltd., London, S.W.1. Device of three arrows, 710,549, by Pest Control, Ltd., Bourn, Cambs.

For non-medicated toilet preparations (3)

TRICE, B709,883, by Harry Copley May, Monaco. SPRAY TIME, 710,054, by Norman Hartnell, Ltd., London, W.1. CLUBMAN, 711,936, by Callinan, Giles & Co., Ltd., Liverpool.

For all goods (3)

DISTRIPOL, 711,588, by Marchon Products, Ltd., London, W.C.2. LOOK, 712,222, by Peter Lunt & Co., Ltd., Aintree.

For soaps (3)

AWL, 710,770, by Associated Exports, Ltd., London, E.C.4. KESTREL, 711,878, by R. A. Millard & Co., Ltd., Dudley.

For pharmaceutical preparations (5)

KERODEX, 706,737, by Scientific Pharmacals, Ltd., London, N.1. SONIDE, 709,655, by Reckitt & Colman, Ltd., Hull. NEBOCETIN, 709,728, by H. Lundbeck & Co. A/S., Copenhagen, Denmark. ULSALETS, 710,642, by Stanwood Proprietaries, Ltd., Bolton. PLASDONE, 710,959, by General Aniline & Film Corporation, New York, U.S.A. NORMORPHAL, 711,682, by T. & H. Smith, Ltd., Edinburgh. CEEYEES, 711,722, by G. R. Lane, Gloucester. ADCORTYL, 712,091, by E. R. Squibb & Sons, Ltd., London, W.1. SIROFIGS, 708,796, by Arthur H. Cox & Co., Ltd., Brighton.

For insecticides (5)

MALATHON, 699,899, by American Cyanamid Co., New York, U.S.A.

For preparations of minerals and vitamins for addition to foodstuffs (5)

NUTRILITE, 706,079, by Nutrilite Products, Inc., California, U.S.A.

For antibiotics (5)

MAGNAMYCIN, 708,211, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For all goods (5)

ERBA, TIZIDE, B708,336-708,338, by Carlo Erba, Milan, Italy.

For insecticides and fungicides (5)

AKODRIN, 709,322, by Bayer Agriculture, Ltd., London, S.W.1. Device of three arrows, 710,650, by Pest Control, Ltd., Bourn, Cambs.

For fungicides (5)

PREMASAN, 709,325, by Bayer Agriculture, Ltd., London, S.W.1. FUCLASIN, 712,192, by Schering, A.G., Berlin, Germany.

For medicated confectionery (5)

QUALITY STREET, 711,914, by John Mackintosh & Sons, Ltd., Halifax.

For photographic cameras and parts thereof (9)

KING PENGUIN, PENGUIN, 701,730-31, by British Optical & Precision Engineers, Ltd., London, W.1.

For scientific apparatus (9)

ESSOLDOMATIC, 704,270, by Essoldo Circuit (Control), Ltd., Newcastle-on-Tyne.

For photographic and optical apparatus and instruments (5)

OCELLAR, 712,044, by Agfa Camera Werk Munchen, Munich, Germany.

PRINT AND PUBLICITY

Price List

PHARMACEUTICAL LABORATORIES GEIGY, LTD., Rhodes, Middleton, Manchester: Pharmaceutical and fine chemicals. Pp. xx, loose-leaf.

Medical Propaganda

MANUFACTURERS' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Intraval Sodium" (fifth edition of 24-p. booklet); "Brevidil M and Brevidil E" (first edition of 40-p. booklet); "Barbiturate Therapy" (first edition of 52-p. booklet); "All at Sea — Avomine," "Sulphatriad" (blotters); "Sulphatriad," "Thalazole" (dosage cards); "For the Hypersensitive Patient—Anthisan and Phenergan" (folder); "M. & B. Tablet Markings, 1952" (8-p. aid to the accurate identification of tablets of M. & B. products).

RECKITT & COLMAN, LTD., Pharmaceutical Department, Hull: "Codis" (card).

ROCHE PRODUCTS, LTD., Welwyn Garden City, Herts: 'Prostigmin" (blotter); "Gantrisin" (dosage indicator); "Roche Vademecum, 1952" (86-p. book); "Ro-A-Vit" (6-p. leaflet); "Chemotherapy of T.B." (Nos. 6, 7, and 8 of a Roche review, each 4 pp.); "Gantrisin" (blotter).

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Collubiazol-Roussel For Sore Throats" (4-p. leaflet); "Genito-Urinary Tuberculosis" (12-p. booklet).

THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1: "Anahaemin" (blotter); "Mepilim"; "Myanesin" (4-p. leaflets).

WORLD TRADE

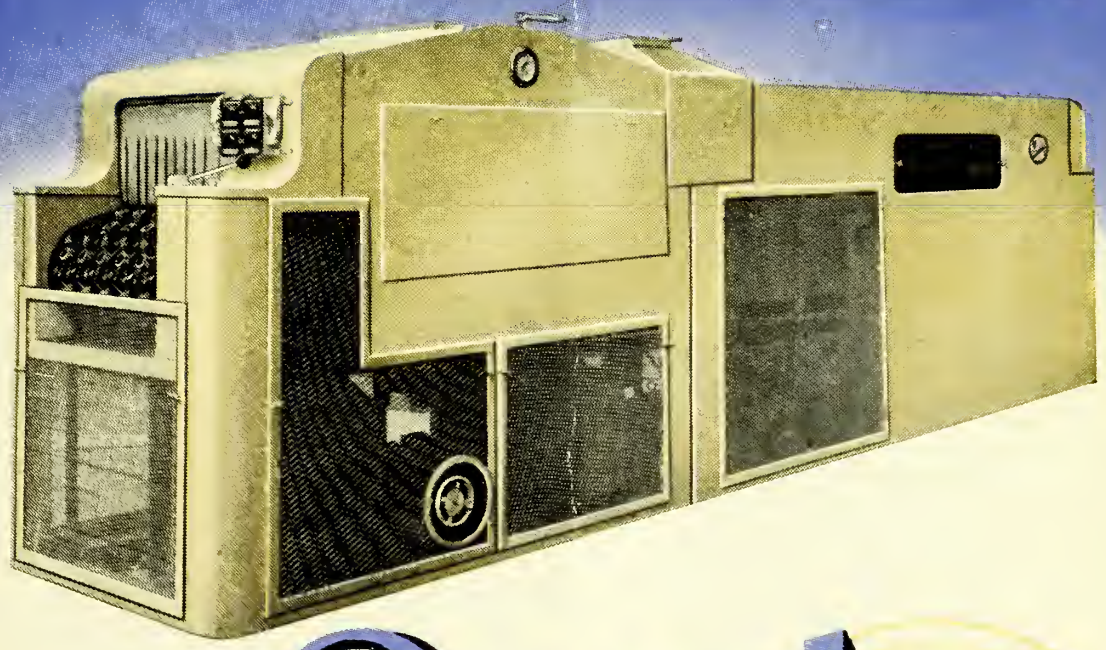
Poles Produce Penicillin.—It is reported from Warsaw that Poland is producing penicillin at the Tarchomin Pharmaceutical Works after experimental work commenced in 1950. Polish imports of penicillin are expected to drop considerably in 1953.

Egyptian Import Restrictions. — Imports from the sterling area are to be restricted to "essentials" until the country's sterling balances have improved. (Some restrictions have been in force since June.) In the first nine months of this year Egypt's imports from Britain fell to £26,600,000 from £31,500,000 in the same period of last year. Exports to Britain also fell sharply to £11,750,000 from £44,900,000.

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The CHEMIST AND DRUGGIST
DECEMBER 27, 1952



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